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PHASE II SITE INVESTIGATION REPORT ON FINDINGS CENTEX HOMES - STERLING West Hills, CA

July 26, 2005

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#### 1.0 INTRODUCTION

The Centex Homes "Sterling Residential Neighborhood" site is located in West Hills, California, just west of the intersection of Roscoe Blvd. and Valley Circle Blvd. The Sterling Residential Neighborhood property is in an undeveloped area, which has no history of perchlorate usage, storage or releases. The western boundary of the proposed Sterling Homes site is located about 0.5 miles directly east of the approximate eastern boundary of the Rocketdyne facility test site known as the Santa Susana Field Laboratory (SSFL) in Ventura County, California, as shown in Figure 1.

The purpose of this preliminary investigation is to further investigate the surface and subsurface soil conditions for the presence of perchlorate, volatile organic compounds, metals and radionuclides.

This report is supplemental to the previous report "PHASE II SITE INVESTIGATION, REPORT ON FINDINGS, CENTEX HOMES – STERLING, West Hills, CA dated June 15, 2005, and July 11, 2005. The data presented in the June 15, 2005, and July 11, 2005 reports has been incorporated in to this report to facilitate evaluation of the site conditions.

#### 2.0 SITE BACKGROUND

The Rocketdyne facility is located in the Santa Susana Region in Ventura County, California. Operational activities at the SSFL began in 1948 and have primarily included research, development, and testing of liquid-propellant rocket engines and associated components (pumps, valves, etc.). Liquid-propellant rocket engine testing activities have been conducted at six major rocket engine test areas. These areas were in operation simultaneously in the late 1950s and early 1960s. In addition to the primary facility operation for testing liquid-propelled rocket engines, the SSFL was used for nuclear energy research and development, and testing of water jet pumps and lasers.

Petroleum fuel hydrocarbons and chlorinated solvents have been used at the SSFL in large volumes. Petroleum hydrocarbons were used as fuel for many of the liquid-propellant rocket engine tests performed there. Chlorinated solvents, primarily TCE, were used following engine tests to clean elements of the rocket engines and for other equipment degreasing operations at the SSFL. Solid propellants, including perchlorate compounds, were used at the SSFL for research and testing operations. Perchlorate was used in relatively small quantities as an oxidizer for the production of turbine spinners and igniters; for research, development, and production of flares; and for small-scale solid-propellant rocket motors research, development, and testing

The Rocketdyne facility was used, as indicated above by the Department of Energy for Nuclear testing in its Area IV facilities contained in the western most portions of the site, approximately 3.5 miles from the Sterling Site. The Agency for Toxic Substances and Disease Registry (ATSDR) has previously investigated the offsite areas east and

down gradient (Bell Canyon) from Area IV. No significant levels of radionuclides were found in these areas. Due to the topography between Area IV and the Sterling site, and lack of detection of nuclear related hazards on the eastern portions of the Rocketdyne Facility, limited nuclear related hazards were tested for as part of this investigation (See section 4.7).

Ammonium perchlorate, which is generally referred to as "perchlorate", is used as a strong oxidizing agent to combust fuels such as petroleum hydrocarbons or hydrazine in rockets. Perchlorates are currently used in the Space Shuttle Launch System, missiles, pyrotechnics, flares, and in automobile airbags. Perchlorates have also been shown to be present in Chilean Nitrate fertilizers at relatively high levels. The perchlorate in fertilizers is naturally occurring from the use of "caliche", a nitrate-bearing mineral found in Chile.

In the late 1990's, the presence of perchlorate was discovered in groundwater near various former and current rocket fuel manufacturing and testing sites. Based on the discovery of perchlorate in groundwater, improved analytical methodology was developed to identify low levels of perchlorate in drinking water.

The California Department of Toxic Substances Control (DTSC) has established an advisory level of 6 ppb, or "parts per billion" as the acceptable level of perchlorate in public drinking water sources. The groundwater at the Sterling property is not intended to be used for drinking water and the proposed development will utilize city water as the source of drinking water. Perchlorate has been identified in surface soils at various rocket and missile testing and processing facilities. Table 1 presents a summary of the typical perchlorate levels found in soils at these facilities as part of the remedial investigations. These values represent the concentration of perchlorate in soils identified in areas where perchlorate was extensively used and is therefore expected to be found at its highest levels. As noted in this table, the levels detected at these facilities range from 0.75 to 1.4 mg/kg ppm, or "parts per million".

Residual perchlorate concentrations from rocket testing at the Rocketdyne facility have been identified in the area of the former laboratory and test range in the eastern region, referred to as Area I, which is more than a mile from the Sterling site. The Rocketdyne facility has been the subject of various environmental investigations and remediation activities. The Perchlorate levels detected in this region of the Rocketdyne facility were generally below 6 g/kg (ppb), as indicated in the USEPA Resource Conservation and Recovery Act (RCRA) Facility Investigation Program Report, MWH, July 2004.

The Sterling site is located east of a dormant portion of the Rocketdyne facility, on the east side of a hill south of the Happy Valley Drainage Area, as shown in Figure 2. Previous studies of this area and local groundwater resources have not shown significant levels of perchlorate or trichloroethylene, another commonly used chemical at the Rocketdyne site. Runoff in Dayton Canyon has been sampled by DTSC and the State Water Resources Control Board (SWRCB). The routine monitoring of surface run-off from these areas tested at SWRCB outfalls HV-1 (NPDES Permit outfall 008)

and HV-2 during storm events have not detected significant levels of perchlorate as recent as March, 2005

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#### 3.0 PERCHLORATE PHYSICAL AND CHEMICAL PROPERTIES

#### 3.1 Physical Properties

Perchlorate is an anionic salt composed of one molecule of chlorine and four molecules of oxygen and is expressed as ClO<sub>4</sub>. The perchlorate salts include ammonium, potassium, sodium and calcium

The high water solubility of perchlorate is one of the primary environmental concerns with this chemical. The solubility of the Perchlorate salts is comparable to table salt, approximately 35 grams per 100 grams of water. The high solubility characteristic of perchlorate dictates that it will readily dissolve even in small quantities of water. Perchlorate is so soluble that it is rarely found in surface soils since even with minimal rainfall, the materials dissolve and are washed away, or quickly infiltrate into the soil or shallow groundwater sources. Perchlorate has been shown at various sites to travel rapidly downward during groundwater infiltration and through groundwater aquifers.

Since groundwater is the primary exposure pathway of concern, no formal soil clean up standards have been established by the DTSC or the USEPA. Region IX of the USEPA has established a Preliminary Remediation Goal (PRG) of 7.8 mg/kg (ppm) in soils for the clean up of sites contaminated with perchlorate.

#### 3.2 Toxicity

Studies of perchlorate in drinking water sources have shown its primary toxic effect is on the thyroid gland in children and thyroid compromised adults. The perchlorate ion is able to displace iodine in the thyroid, which can cause reduced thyroid function and various thyroid related diseases. Studies by ATSDR and the USEPA have shown that exposure to perchlorate by inhalation or contact with skin does not present a significant risk. The primary route of concern is drinking water, which can present a long-term daily exposure risk. Recent studies have shown that some food crops such as lettuce can have elevated levels of perchlorate when grown using water containing perchlorate.

The above potential toxic effects have been demonstrated in various animal studies and epidemiological studies. DTSC established a 6 ppb drinking water advisory standard for perchlorate, EPA's recently released Reference Dose (RfD) for perchlorate is equivalent to an exposure limit of 24 ppb. DTSC's public health goal and EPA's RfD are defined as levels of perchlorate which are known to be safe to ingest. These levels can be 100 or more times lower than the levels that are harmful to human health.

Since the local ground water in the area of the Sterling Site is at a depth of approximately 60 feet or more, and is not used for drinking water or irrigation, and the site will not be used for significant agriculture, the site will not present an increased risk to future site residents or adjacent residents. It should be understood that many drinking water supplies in California contain elevated levels of perchlorate, especially those using water from the Colorado River, and have been shown to not present a significant risk to the public.

#### 4.0 SCOPE OF WORK

#### 4.1 Initial Studies

Based on the location of the Sterling site to the Rocketdyne site, it was determined to sample a portion of the Dayton Canyon creek drainage running through the Sterling site for perchlorate and volatile organics such as Trichloroethylene and 1,1- Dichloroethylene. The creek appeared to be the most likely potential pathway for perchlorate to have theoretically migrated offsite from the Rocketdyne facility to the location of the proposed development, although there have been no prior test results to suggest such a migration had occurred. For evaluation purposes, the creek was divided into areas to facilitate the investigation, as shown in Figure 3.

Initially, four areas were selected for surface sediments to be collected as grab samples, as shown in Figure 3. The samples collected on May 26, 2005, were analyzed for perchlorates using USEPA Method 314.0, and USEPA Method 8260B for volatile organics compounds and chlorinated solvents such as Trichloroethylene

#### 4.2 Surface Soils

As noted in the June 15, 2005 report; on May 27, 2005, Surface soils in the area of the proposed initial grading activities north of the creek were sampled. The surface soils were analyzed for perchlorate using USEPA Method 314.0. The surface soils were not analyzed for volatile organics, since it was unlikely that volatile organics could be present in exposed soils above the elevation of the creek. The surface soils were collected from 1" to 12" below ground surface (bgs). The locations of the surface soil sampling are shown in Figure 3.

On June 14, 2005, four additional surface soil samples were collected. These samples were collected from the surface soils approximately 20 feet from the center line of Dayton Canyon Creek and were collected to help define the limits of perchlorate impacts. The sampling locations are shown in Figure 3.

On July 11, 2005, six additional surface soils were collected (SS-8 through SS-13) Samples SS-8, SS-9 and SS-10 were collected from the western portion of the proposed development area. Samples SS-11, SS-12 and SS-13 were collected from the eastern development area. The sampling locations are

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shown in Figure 3. The samples collected were analyzed for perchlorate using USPA Method 314.0. The samples were also analyzed for total CAM metals using USEPA Method 6010B/7471A.

#### 4.3 Sediments and Soils

To further understand the potential distribution and source of perchlorate in the creek area, samples were collected from the surface (unconsolidated sediments) and undisturbed soil samples were collected from depths of 1, 2, and 3 feet below ground surface (bgs), in dry portions of the creek bed. The location of these samples is shown in Figure 4. The samples were collected on June 2 and 3, 2005, and split for analysis by two certified laboratories. The laboratories selected were MWH Laboratories in Monrovia, California and Associated Labs in Orange, California.

Selected surface samples were analyzed for perchlorate using USEPA Method 314.0 and also analyzed for the presence of Nitrates, as an indicator or fertilizer usage which could be a possible source of perchlorates, using USEPA Method 300.

On June 18 and 20, 2005, additional sediment and soil samples were collected from the creek area. Two of the sampling locations selected were further west along the creek in areas 9, and 10 as shown in Figure 4. Three additional samples were collected from the lower portion of the creek area in areas 1, 2, 3 and 4 as shown in Figure 4. The samples from the lower creek area were collected from underneath several large rocks, and in one case a fallen tree trunk. The purpose of sample collection in these areas was to evaluate areas which could not have been exposed to perchlorate from a particulate or airborne source.

On July 11, 2005, three additional soil samples (4-14, 4-15 and 4-16) were collected from the area on the east side of the creek as shown in Figure 3. A sample (4-21) was collected from the eastern portion of the site near Valley This sample was collected in an area previously sampled by the RWQCB. The samples collected were analyzed for perchlorate using USPA Method 314.0. The samples were also analyzed for total CAM metals using USEPA Method 6010B/7471A.

#### 4.4 Plants and Debris Sampling

To determine the possible source of the perchlorate, and how it made contact with the surface of the creek at the levels that were detected, plant leaves in the area of the creek were collected for analysis for perchlorate. Leaves were collected from each of the areas shown in Figure 5. The leaves were selected from plants growing along side Dayton Canyon Creek. The leaves were selected from only plants which had new growth. Approximately 100 grams of plant leaves were cut from the plants and placed in sealed bags. Perchlorate

extraction was conducted to assure that only compounds present on the leaf surface were analyzed. Samples P-1 through P-10 were all extracted and analyzed by the laboratory for perchlorate using USEPA Method 314.0.

In addition to the sampling of the plants to determine the possible source of the perchlorate, plant debris in the area of the creek was also collected for analysis for perchlorate. Dried plant leaves were collected from each of the areas shown in Figure 5, with the exception of areas 8, and 9, where no significant plant debris was found. The plant debris was collected by hand, using clean nitrile gloves and placed in sealed bags. Perchlorate extraction was conducted to assure that only compounds present on the leaf surface were analyzed. Samples PD-1 to PD-7 and PD-10 were then analyzed by the laboratory for perchlorate using USEPA Method 314.0

#### 4.5 Water Sampling

As requested by the DTSC and RWQCB, water samples were collected on July 19, 2005 from the creek in area 4, and from a seep located in area 8 on the east side of the creek. The water samples SW-1-4 and SEEP-1 were analyzed for perchlorate using USEPA Method 314.0.

#### 4.6 Perchlorate Confirmation Testing

As previously indicated, USEPA Method 314.0 for perchlorates may produce false positive results in some cases. A series of retained samples and samples collected from areas previously investigated were submitted to STL Laboratories in Sacramento for analysis using both USEPA Method 314.0 and 8321M. The purpose of this comparative analysis was to confirm the presence of perchlorate using US EPA Method 8321M, and to confirm the previous USEPA Method 314.0 results. One of the retained samples (Sample 4-5/25/05) submitted for analysis was beyond the recognized holding time for perchlorate. Because of the high levels observed in this sample, it was decided that the sample should still be analyzed. The results of these analyses will be reported separately on receipt of the data.

To investigate the potential origin of the perchlorate, selected samples, as shown in Table 2 were analyzed for strontium, a metal used in flares to produce the red glow. The presence of elevated levels of strontium in samples with high levels of perchlorate may indicate that the perchlorate found at the Sterling site was originally from road flares.

#### 4.7 Radiological Survey

Based on concerns at other developments near the Rocketdyne site, a preliminary radiological survey was conducted at the site on July 18 and 19, 2005. The radiological survey was conducted using a Ludlum 2241 Survey Meter with a Pancake Probe. As shown in Figure 6, the survey was

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conducted along the creek, and in both of the proposed grading areas. The survey was performed by placing the pancake probe on the ground surface for one minute. The maximum rem (roentgen equivalent man) rate (microrem per hour) was then recorded, and the probe cleaned for the next area. A rem is a measure of the dose of any ionizing radiation to body tissue in terms of a biological effect. The global background radiation level is approximately 360 millirems per year or 41 microrems per hour.

#### 5.0 RESULTS

#### 5.1 Initial Studies

Initial samples were collected at the site on May 25, 2005. During these initial studies, four sediment samples (samples 1A-4) and one duplicate sample (sample 1B) were collected in jars and transported under chain of custody to MWH Laboratories for analysis of perchlorate and volatile organics. The results of this sampling indicated unexpectedly elevated and inconsistent levels of perchlorate as shown in Table 2, which ranged from 320 to 62,000 mg/kg (ppm). The sample collection locations are shown in Figure 3. Samples exceeding EPA's PRG of 7.8 mg/kg (ppm) are identified in red

#### 5.2 Surface Soils

On Friday, May 27, 2005, three surface soil samples were collected as shown in Figure 3. Two of the samples were collected in the areas indicated for future grading operations (samples SS-01 and SS-02). One surface sample (sample SS-03) was collected from soils adjacent to area 4 as indicated in Figure 3. Samples exceeding the PRG for perchlorate are identified in red.

The results of the analysis indicated perchlorate levels below the detection limits in samples from the two future grading areas (samples SS-01 and SS-02). Sample SS-03 showed elevated levels of perchlorate at 1,200 mg/kg (ppm) in the soil collected adjacent to the creek. The results of the sampling are presented in Table 2.

The results of the surface soils collected on June 14, 2005, outside but adjacent to the creek (SS-04 to SS-07) showed perchlorate levels below detection limits, as presented in Table 2.

The results of the additional surface soils collected on July 11, 2005 in the proposed grading areas (SS-8 through SS-13) showed perchlorate levels below detection limits, as presented in Table 2. Total metal levels were found to be below regulatory limits, and generally within accepted background ranges, as shown in Table 4.

#### 5.3 Sediments and Soils

On June 2 and 3, 2005, samples of sediments and soils were collected from various locations in the Dayton Canyon creek drainage, as shown in Figure 4. In these areas, unconsolidated sediments were sampled followed by the collection of undisturbed soil samples at depths of 1, 2, and up to 3 feet below ground surface using an auger or drive sampler.

The samples collected were split into duplicate samples and transported under chain of custody to MWH Laboratories and Associated Laboratories for perchlorate analysis using USEPA Method 314.0.

The results of the analysis of the samples are presented in Table 2. The results of these analyses showed lower perchlorate levels relative to the initial analytical results. Samples collected in the area of the initial sampling showed elevated perchlorate levels in the sediments as shown in Figure 4. Elevated perchlorate levels were also observed in some of the 1 and 2 foot samples in the initial sampling area, as shown in Figure 4. Samples collected in the creek further west in areas 7 and 8 closer to the upstream tributaries from the Rocketdyne site, were below detection levels for perchlorate, as shown in Table 2 and Figure 4.

Selected sediment samples were also analyzed for the presence of nitrates using USEPA Method 300. Results of these analyses showed elevated nitrate levels in the areas with elevated perchlorate levels. High levels of nitrate are not normally found in undisturbed surface soils in and around creeks. The presence of elevated nitrate levels may indicate that a nitrate fertilizer was recently applied to the area, which could have contained perchlorate.

On June 18 and 20, 2005 sediments and soils were collected in the western areas 9 and 10 of the Dayton Canyon creek drainage. Three samples were also collected in areas 1, 2, 3 and 4 from underneath rocks and in one case a fallen tree trunk. No detectable levels of perchlorate were found in the upper western creek samples or from the samples collected from under the rocks and log.

The results of the soil sampling (samples 4-14, 4-15 and 4-16) conducted on the east side of the creek on July 11, 2005, showed no detectable levels of perchlorate. Total metal levels were found to be below regulatory limits, and generally within accepted background ranges, as shown in Table 4.

#### 5.4 Plant and Plant Debris

On June 18 and 20, 2005, plant leaves were collected from the Dayton Canyon Creek, as described in Section 4.4. The leaves were collected from plants with new growth from along side the creek. The leaves were analyzed for perchlorate using USEPA method 314.0. The results of these analyses showed high levels of perchlorate on the surface of the leaves in Areas 1, 2, 3, and 4

The levels of perchlorate on the leaves in this area were relatively consistent, ranging from 32 to 42 mg/kg (ppm) as shown in Table 2. Samples collected from areas 5 -10, showed significantly lower perchlorate levels.

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On June 18 and 20, 2005, plant debris was collected from the creek area, as described in Section 4.4. The debris was collected from the same area as the plant leaves described above. The debris was analyzed for perchlorate using USEPA Method 314. The results of these analyses showed high levels of perchlorate on the surface of the debris in Areas 1, 2, 3, and 4. The levels of perchlorate on the debris in this area were relatively consistent, ranging from 42 to 57 mg/kg (ppm) as shown in Table 2. Samples collected from area 5, 6, 7, and 10 showed significantly lower perchlorate level. Samples were not collected in areas 7 and 8 since the area was sparsely vegetated and was primarily rocks with very little plant debris and was heavily infested with ants.

#### 5.5 Water Sampling

As previously discussed in Section 4.5, water samples were collected on July 19, 2005 from the creek in area 4, and from a seep on the eastern side of area 8. The results of analysis of these samples indicated the perchlorate levels were below the detection limit of 4 ppb in water.

#### 5.6 Perchlorate Confirmation Testing

As previously indicated, USEPA Method 314.0 for perchlorates may produce false positive results in some cases. A series of retained samples and samples collected from areas previously investigated, as shown in Table 3, were submitted to STL Laboratories in Sacramento for analysis using both USEPA Method 314.0 and 8321 M. The results of these analyses are pending at this Once the results are available, a separate report will be prepared documenting the findings.

As previously discussed in Section 4.6, selected retained samples were analyzed for strontium using USEPA Method 6010B, to determine if the perchlorate found at the site could have come from road flares. As shown in Table 3, strontium was found in each of the three samples at levels ranging from 4.4 ppm to 32.7 ppm.

#### 5.7 Radiological Survey Results

As shown in Table 5, no significant residual radioactivity was observed in the areas monitored. All of the results were below the instruments detection limit of 10 microrems per hour.

#### 6.0 DISCUSSION

The results of the initial sampling described in Section 5.1, indicate elevated and

inconsistent perchlorate levels, which are not consistent with the physical setting and the run off conditions or prior sampling data from the Rocketdyne site. The levels found exceeded the levels typically found at current and former rocket and missile processing and testing sites, as shown in Table 1. Further, the presence of elevated perchlorate in the creek sediments is also unlikely when these samples were taken, due to the high volume of flow through the creek this year from heavy rains. Given these run-off conditions and rainfall amounts from this past season, perchlorate present in the creek sediments would be quickly dissolved or washed away.

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In addition, the results of the sediment and soil samples collected upstream toward Rocketdyne were below detection limits for perchlorate, as shown in Table 3. Perchlorate was not detected in most of the deeper samples, indicating that the perchlorate has not had sufficient time to dissolve and infiltrate downward, or that there is an insufficient mass of perchlorate in the surface soils to contaminate the soil column. Further, samples collected in the area of the initial sampling showed elevated levels of nitrates, possibly from fertilizer application or other unknown activities.

Analysis of recent growth plant leaves and debris from the creek area showed extremely high levels of perchlorate on the surfaces of the leaves. The presence of high levels of perchlorate on the surface of the leaves in the lower creek area cannot be explained by any normal transport mechanism. The results of the plant leaves and debris analysis shown in Figure 5 indicate relatively uniform levels of perchlorate along areas 1, 2, 3 and 4. Analysis of two of the plant and plant debris samples show elevated levels of strontium on the leaf surfaces. Further the results of samples 3-11, 3-12 and 3-13 in areas 1, 2, 3, and 4 which were collected from underneath rocks or a log, showed no detectable levels of perchlorate. If the perchlorate was transported down stream, then the water and soils under these materials would have been expected to contain elevated levels of perchlorate, consistent with levels detected in surrounding soil sediments.

As shown in Table 2, the variation in split samples is significant. The large variation demonstrates that the perchlorate is not uniformly distributed in the soil, but appears to occur in a point source type manner. The areas where perchlorate was detected are isolated by larger areas where no perchlorate was detected.

As shown in Figure 2, the Sterling site is a substantial distance from the Rocketdyne site and is located in a remote drainage area. Based on the surficial nature of the perchlorate concentrations, and the random distribution on the perchlorate in the creek area, and the other characteristics of the areas where perchlorate was not detected, the samples are consistent with perchlorate in limited, isolated areas. The source of the perchlorate or mechanism of its release has not been identified. Samples collected from the proposed development areas and east of the creek, showed levels of perchlorate below detection limits, and levels of metal below regulatory limits. These results indicate that the perchlorate identified in the creek was not transported via these areas by runoff or surface soil movement. The results of the water and seep analyses also indicate that runoff from the upper creek is not a source of perchlorate. Therefore, based on the current data, it is clear that the perchlorate levels recently

detected in the creek are not from transport by flow through the creek from Rocketdyne or from airborne particulate transfer from their property Based on the data collected, it appears that the perchlorate in the creek is from an exogenous and unidentified source.

#### 7.0 RECOMMENDATIONS

Although elevated levels of perchlorate were observed in certain specific areas, it appears that the mass of material is limited and confined to sediments in the stream creek bed and banks. To assure that levels of perchlorate are within acceptable limits, the creek area should be managed as follows:

- Meet with the DTSC Representatives to discuss the data and verify their recommendations for the remediation of this area.
- Prepare necessary workplans and complete any supplemental investigations.
  - Complete any supplemental investigations necessary to obtain closure by the DTSC for the proposed development area, to allow grading and construction.
- Excavate approximately one to two feet of sediment from the creek in areas 1 through 4, as shown in Figure 3 or as indicated by any additional investigations.
  - Screen the excavation materials as follows
    - Remove and dispose of debris
    - Decontaminate rocks and return to the creek.
    - Stockpile sediments and dispose of perchlorate impacted materials offsite or onsite in appropriate areas, by mixing with clean soils to reduce contamination.
  - O Confirm perchlorate removed from the creek by sampling and analysis of the base and adjacent soils.

To assure that perchlorate levels are within acceptable limits in the areas of future development, the following tasks should be implemented:

- Air quality monitoring should be conducted during all grading operations, to assure compliance with AQMD regulations
  - Down wind dust monitoring and sampling should be conducted.
- Prior to grading, sampling for perchlorate should be conducted at a density of at least one sample per acre.

To assure that the results presented in this report are accurate, selected samples are being analyzed using UEPA Method 8321M. These confirmation analyses are being conducted

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now, and will be presented in a supplemental report.

#### **8.0 STATEMENT OF LIMITATIONS**

Information provided in this report by Allwest Remediation, Inc., Project Number 05-8520 El 01 is intended exclusively for the use of Morrison and Foerster in the assessment of potential environmental liability for the subject property. The findings and conclusions discussed in this report are based on field and laboratory data collected during the course of this investigation and our current understanding and interpretation of environmental regulatory agency regulations, guidelines and policies. The professional services have been performed in accordance with practices generally accepted by other construction engineers, geologists, hydrogeologists, environmental engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. There is no guarantee that the work conducted will identify any and all sources or locations of contamination.

Respectfully submitted,

ALLWEST REMEDIATION, INC.

Operations Manager

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TABLES

TABLE 1
TYPICAL ONSITE PERCHLORATE CONCETRATIONS IN SOILS
FORMER ROCKET AND MISSLE TESTING LOCATIONS

FACILITY	TYPICAL SOIL CONCENTRATIONS (mg/kg) (1)
AEROJET RANCHO CORDOVA, CA.	1.2 mg/kg
BERMITÉ CORP. VALENCIA, CA.	0.75 mg/kg
ROCKETDYNE SANTA SUSANA, CA.	0.56 mg/kg
LOCKHEED MARTIN RIVERSIDE, CA.	1.4 mg/kg

<sup>(1)</sup> Typical levels identified at former rocket and missle test facilities from areas with extensive perchlorate usage

TABLE 2 SUMMARY OF ANALYTICAL RESULTS

SAMPLE	DATE	SAMPLE TYPE		LORATE	444	LORATE TORIES (mg/Kg)	VOC's (µg/kg) (ppb)	NITRATE (mg/kg) (ppm)	STRONTIUM (mg/kg) (ppm)
	, i sa joja	]	MWH	ASSOC.	EPA 314.0	EPA 8321m	MWH	ASSOC.	ASSOC.
1-A	5/25/05	G	4,100				<5		
1-B	5/25/05	G	320		-		<5		<del> </del>
2	5/25/05	G	1,800	<del></del>		-	<5		<del>                                     </del>
3	5/25/05	Ğ	62,000		-	-	<5		
4	5/25/05	Ğ	4000	-		-	- 45		<del>                                     </del>
4b	5/25/06	G			(1)	(1)			-
SS-01	5/27/05	Ğ	<0.04	_					1
SS-02	5/27/05	<del>  Ğ</del>	<0.04			<del> </del>		<del> </del>	
SS-03	5/27/05	1 - <u>ĕ</u> - 1	1.400					<del>                                     </del>	
SS-04	6/14/05	<del>l G</del>	1,100	<0.04					
SS-05	6/14/05	Ğ		<0.04					
SS-06	6/14/05	<u> </u>		<0.04				<del>                                     </del>	
SS-07	6/14/05	G		<0.04					<del>                                      </del>
SS-07 SS-08	7/1105	G		<0.04		<del></del>			<del> </del>
SS-09	7/1105	G		<0.04	<del></del>	<del></del>			<b></b>
SS10	7/1105	G T		<0.04		<del></del>			
SS-11	7/1105	G	<del></del> -	<0.04		<del></del>	-		-
SS-12	7/1105	G		<0.04				<del></del>	<del></del>
SS-12 SS-13	7/1105	- 6 1		<0.04		<del></del>		<u> </u>	<del></del>
2-1-0	6/2/05	G	1,000	4.08				67.2	
	6/2/05		4.5	0.148	<u>-</u>			- 67.2	1
2-1-1	6/2/05	D/S	14	0.044	-			<del></del>	<del> </del>
2-1-2	6/2/05	D/S	<0.04	<0.04				<del>-</del>	<del> </del>
2-2-0	6/2/05	G	6,000	8.7	<u>-</u>	<del></del> :	<del></del>	21.4	<del>                                     </del>
	6/2/05	A	8.5	0.173			<del></del>	- 21.4	<del>                                     </del>
2-2-1	6/2/05	DIS	<0.04	<0.04			<del></del>	<del> </del>	<del>                                     </del>
2-2-2	6/2/05	D/S	<0.04	<0.04					<del> </del>
2-2-3	6/2/05	G G	520	0.870			<u>-</u>	15.1	<del>                                     </del>
2-3-0	6/2/05	A T	6.5	<0.04			<del></del>	13.1	<del></del>
2-3-2	6/2/05	D/S	<0.04	<0.04					<del></del>
233	6/2/05	D/S D/S	<0.04	<0.04					<del> </del>
2-4-0	6/2/05	G G	<0.04	0.055				10.4	<del></del>
2-4-1	6/2/05	A	40	<0.04	<del></del>			10.4	<del> </del>
2-4-2	6/2/05	DIS	<0.04	<0.04	-		<del></del>		
2-4-3	6/2/05	D/S	<0.04	<0.04				<del></del>	<del></del>
2-5-0	6/3/05	G	<0.04	0.052	-	-			
2-5-1	6/3/05	A A	<0.04	0.244				<u> </u>	<del></del>
2-5-2	6/3/05	D/S	11	0.060	<del></del>	<del></del>	<u>-</u>		
2-5-2	6/3/05	G	<0.04	0.346	<del></del> -	<del></del>		<del></del>	<del></del>
2-6-1	6/3/05	- A	<0.04	0.082			<del><u>-</u></del>		<del></del>
2-6-2	6/3/05	D/S	<0.04	99.5	<u>-</u>	<del></del>			32.7
2-7-0	6/3/05	G	<0.04	<0.04				<del></del>	- 52.1
2-7-1	6/3/05	A	<0.04	<0.04	<del></del>		<del></del>	<del>_</del>	<del></del>
2-7-2	6/3/05	D/S	<0.04	<0.04		<del></del>		<del></del>	
2-8-0	6/3/05	G G	<0.04	<0.04			<del></del>	<del></del>	
2-8-1	6/3/05	A	<0.04	<0.04	<del></del>		· <u>-</u>		<del></del>
2-8-2	6/3/05	D/S	<0.04	<0.04	<del></del>	<del></del> -	<del></del>	<del></del>	<u> </u>

G = Grab sample D/S = Drive sample A = Hand auger P = Plant samples PD = Plant debris (1) = Pending analysis

#### TABLE 2 (CONT) SUMMARY OF ANALYTICAL RESULTS

SAMPLE	DATE	SAMPLE TYPE	1.00	LORATE g) (ppm)		LORATE TORIES (mg/Kg)	VOC's (µg/kg) (ppb)	NITRATE (mg/kg) (ppm)	STRONTIUM (mg/kg) (ppm)
			MWH	ASSOC.	EPA 314.0	EPA 8321m	MWH	ASSOC.	ASSOC.
3-9-0	6/20/05	G		<0.04			-	44.8	7,0000.
3-10-0	6/20/05	G	_	<0.04	-			16.8	<del> </del> -
3-11-0	6/20/06	G	-	< 0.04	-			47.1	<del></del>
3-12-0	6/20/05	G		<0.04	_	-		42.8	1
3-13-0	6/20/05	G		<0.04			<del></del>	35.6	<del>                                     </del>
4-14-0	7/1105	G		<0.04	-			55.0	+
4-15-0	7/1105	G		<0.04					<del> </del>
4-16-0	7/1105	G	-	< 0.04	-			<u> </u>	<del> </del> -
4-17-0	7/1105	G	-		(1)	(1)			
4-18-0	7/1105	G			(1)	(1)			<del> </del> -
4-19-0	7/1105	G	-	-	(1)	<del>- 1</del>	-		
4-20-0	7/1105	G			(1)	(1)			ļ
4-21-0	7/1105	G	-	<0.04	<del></del>			-	<del> </del>
P-1	6/20/05	P		33					
P-2	6/20/05	P		43.9					<u> </u>
P-3	6/20/05	P		32.2					
P-4	6/20/05	Р	-	57.7					
P-4b	6/20/06	P			(1)	(1)			4.41
P-5	6/20/05	Р		0.24		<del></del>			
P-6	6/20/05	P		0.18					
P-7	6/20/05	Р		0.31		<del></del> +			
P-7b	6/20/06	Р		0.51	(1)	(1)			
P-8	6/20/05	Р		0.26					
P-9	6/20/05	P		0.08		<del></del>			
P-10	6/20/05	Р		0.05	·				
PD-1	6/20/05	PD		51.6					
PD-2	6/20/05	PD		48.3					<u>-</u>
PD-3	6/20/05	PD		52.8					
PD-4	6/20/05	PD		42					
PD-5	6/20/05	PĎ		<0.04	+				11.0
PD-6	6/20/05	PD	<del></del>	8.4				-	
PD-7	6/20/05	PD		0.31					
PD-10	6/20/05	PĎ	<del>~</del> +	<0.04					<u> </u>
SW-1	7/19/05	G		<0.004					-
SEEP-1	7/19/05	- G		<0.004					

G = Grab sample D/S = Drive sample A = Hand auger P = Plant samples PD = Plant debris (1) = Pending analysis

TABLE 3
SUMMARY OF PERCHLORATE DATA BY AREA

CREEK AREA	CREEK AREA (1) SAMPLE#	DATE	TYPE	DEPTH (ft)		PERCLORATE (mpkg) (92m)		NITRATE	STRONTIUM	NOTES	Sample	Sample	Sample	_	Semple
	×	6/26,05	ړه	•	4100	ASSOCIATED	SIE	(mg/kg) (ppm)	mg/Kg (ppm)		S edf.	Type P	Type PD		Type SS
	<del>-</del>	5/25/05	ø		320							o	0	+	0
:	2	6/20/05	-	•		e e		1			-	۰	٥		٥
-	8	6/20/06	8	•		52			1		ŀ		۰	7-	٥
	4-20-0	7/11/05	ø	•			PENDING	1				٥		_	0
. ;	4-21-0	7/11/05	S	0		A A	- Linear	1			-	0	۰	1	0
	\$\$.7	6/14/05	SS	٥		200					-		٥	1	٥
Subtotals:	7		1										٥	Г	-
	2	6/25/06	s	•	1,800	7			1				1.0	Г	
	240	8/2/05	s s	٥	520	0.87					-	٥	0	$\Gamma$	٥
	2-3-1	6/2/06	S		2 5	200		16.1			-		0		٥
	232	8206	S	2	A S	A S						٥	o		٥
<u> </u>	2-3-9	6/2/05	'n	-	2								0		٥
N	Z	6/20/06	v	۰					-			•	0		o
	PD-2	8/20/05	Š	0		483					٥			Ţ	-
_	8-22	8/1405	83	0		9						•	-	Г	۰
	418-0	7/11/05	s	٥			PRIGNAG					-	0	T	
	3-12-0	8/20/05	S	•		0.04		479				0	٥	Т	6
Subtotajs	10									Conference contact of all 5 or 9	T	Ţ.		Т	°
	3	5/25/06	S	٥	62,000							T		$\mathbf{F}$	L
	24.0	6/2/05	S	0	1,000	4.08		67.2	1			,	, ,	Ŧ	•
	24-1	8/2/06	s	-	4.6	0.15					-		• (	T	٠
_	2-1-2	8/2/05	S	2	7	0,04		•	-		-	•	,	Τ.	9 6
ω.	2-1-3	6/2/05	6	۵	\$	40.04						•	0	7	3
_	2	8/20/05	70	۰		322					۰		• •	7	3
:	PD-3	8/20/05	В	0		62.8					٥			Ŧ	•
	89.5	8/14/05	8	0		<0.04					٥	0	3	Ŧ	
:	4-18-0	7/11/06	s	٥			PENDING				-	•	• .	Т	1
	3-13-0	8/20/05	S	•		\$0.04		35,8		Collected between area 3.8.4				7	•
Subtotale	ő								. 1		,			7	1
	*	5/25/05	S	0	4,000						-	٥	o	F	1
	*20	8/2/05	6	0	5,000	8.7		21.4				•	•		9
		0/2/00	ď	-	8.6	0.17						•	•		9
	3000	0000	, ,	2	808	A R						٥	٥	7	٥
		9/2/0			å	A) DE			:		•		۰	· 1	۰
•	1	620,05	•	0		67.7					٥	-	0	- 1	٠
_	948	7/11/06	7	۰			PENDING			Collected same area as P-4	•	-	٥	7	
	100	8/20/05	8	۰		42	.,				٥	•		- (	• •
	311	6/20/05	S	0		10.0 40.0		47		Collected wast and of area &		, ,	, -	-1	٠
	4-17-0	7/11/05	s	0			PANDING			The state of the s		,	,	1	٩
	85-3	527.05	88	. 69	1,200						,	٠	٥	1	°
	88-4	6/14/05	88	0		\$0.0					٥		٥	1	-
Subtatats:	12										٥	0	٥	ĺ	-
S=Soil	Ww Water										7	Ŋ			2
P = Stant Lazves														1	

P = Plant Leaves
PD = Plant Debris
SS = Surface Soil

TABLE 3 (CONT.)
SUMMARY OF PERCHLORATE DATA BY AREA

PD = Plant Debri	P = Plant Leaves	SHSOI	Subtotals:	Γ	Surface Water		T		Grading Phase II	T			Grading Pi	Súbtotals;	Γ	ŧ		Subtotals:			Subtotals:						Subtotals;				7		Simologie	,	_						Concording.				· ·			CREEK AREA (1)
Ž	8			_	ě		L	L	in age			L	100	- F	L	_		5		_	ş: -	Ĺ.,	,				7	_							<del>-</del>	· ·						L	_	Т	T	<del>,</del>	_	3
		W= Water	0	SEEP 1	SW-1	88-13	\$\$-12	S\$-11	\$\$.2	\$8-10	858	888	1.88	2	PD-10	P-10	3-10-0	2	P.9	3-9-0	Or.	PD-8	P-8	282	2-8-1	2-8-0	8	PD-7	P-7B	P-7	27-2	27-1	375	2-6-2	2-8-1	2-8-0	8-G6	Z	2.5-2	2.4.	2-5-0	85	g	24.3	242	241	240	SAMPLE#
				7/18/05	7/19/06	7/11/05	7/11/08	7/11/05	5/27/06	7/11/05	7/11/06	7/11/05	6/27/05		6/20/06	8/20/05	6/20/05		6/20/05	6/20/05		6/20/06	6/20/05	6/2/05	8/3/05	6305		8/20/06	7/11/05	6/20/05	63,05	8308	2027	80208	8/3/05	80/05	6/20/05	8/20/05	8/3/05	8306	8008	8/20/05	8/20/06	8/2/05	6/2/05	8/2/05	6/2/05	DATE
				×	٤	æ	8	SS	8	8	8	8	ss		v	ъ	s		v	s		В	70	s	S	S		8	٦	T	ď	s	•	o	v	s	PD	۳	s ·	· ·	'n	3	٦	s	s	s	Ø	TYPE
	•	•					•					٥	0		0	0	٥		0	٥			٥	۲,		٥			٥	٥	22		,	2		ç	0	o	2	-	3	٥		J.	2	-	۰	DEPTH (ft)
									8				\$			1								<0.04	\$	\$					8. R	2 2	2	A.R	40.04	<b>20.04</b>	*1		= 5	A A	à R			<b>\$</b>	40.04	40	40.0≥	MXX
				<0.004	<0.004	<0.04	<0.04	40.04	9.04	<b>\$</b> .04	<b>\$.04</b>	\$0.04	\$0.04			0.06	<0.04		0.08	<0.04		æ	0.26	40.04	0,0	9.0		KS		0.31	\$0.0	3 2		99.5	0,082	0.346	8.4	0.18	0.08	2000	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	20,04	0.24	40.04	40.04	40.04	0.055	ASSOCIATED ASSOCIATED
																				and a									PENDING				-		-												1	art.
	Totals							-				-			·		8.81			44.8		-																									10.4	(mg/kg) (spa)
																																$\frac{1}{1}$														,		SERCINING
	76	ALL																											collected same area as P-7						:													NOTES
	\$	Types	0	•	٥	•		٥	0	٥	0	0 .	O.	1 20			-		•		3	٥	-		-		٠	7	7	-	1	<u> </u> -	8	-	-					-		. 0		-:			1	Sample
	72	1/20 P	0	•	٥	•	•	۰	٥	٥	•	0	0			-	•		-	٥		•	-		•	۰	,		Ţ		5 6			0	°	•	•					0		0	0	•	٥	Sample
	•	75° B	0	•	0	ö	-	•	-	•	•	•	٥	0	1	-  -	-	•	•	0			۰ ,	•		٠.	1	1	-	- -	3 6		-	0	-	•	-	•	, .			Ŀ.	۰	0	0	0	٥	Sample
		Type SS	8	-	•			-	-	-	-			0			-		•	•	-	•	۰	-	٠,	٥		,		,	•	ŀ	0	0	0	•	۰	,	•	•	٥	0	٥	0	0	0	0	
	~	-	N	-:	-	٥	٥		٥	٥	٥	•	٥					٥	٥	o	٥	0			٥	٥			-   (		9 6	٥	٥	0	٥	•	0	٩		٥	°	0	٥	•	٥	۰,	0	Sample

SS = Surface Soil

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TABLE 4 SUMMARY OF LABORATORY ANALYSIS METALS - EPA METHOD 6010B/7471A

METALS	UNITS	TTLC mg/kg	STLC mg/l	SS-08	SS-09	SS-10	88-11	SS-12	SS-13	4-14-0	4-15-0	4-16-0	4-21-0
Antimony	mg/kg	500	15	1.78	2.16	2.15	2.34	1.74	2.16	2.49	2.5	2.72	2.32
Arsenic	mg/kg	500	5.0	5.03	5.02	5.05	4.7	4.95	4.79	5.53	4.53	4.97	4.97
Barium	mg/kg	10,000	100	74.2	76.4	65.5	70.8	70.9	71.4	75.7	71.4	76	70.2
Beryllium	mg/kg	75	0.75	0,87	0.876	0.798	0.791	0.773	0.77	0.924	0.844	0.861	0.828
Cadmium	mg/kg	75	1.0	0.294	0.329	0.285	0.304	0.292	0.331	0.383	0.293	0.305	0.317
Chromium +3	mg/kg	2,500	5.0	17.9	18.5	16.3	16.6	16.7	17.7	17.9	17.1	18.6	17.3
Chromium +6	mg/kg	500	5.0	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Cobalt	mg/kg	8,000	80	6.05	6.25	5.57	5.62	5.58	5.75	5.95	5.78	6.12	5,83
Соррег	mg/kg	2,500	25	5.42	6.09	4.63	5.28	5.36	5.67	5.36	5.24	5.27	5.03
Lead	mg/kg	1,000	5.0	14.3	14.5	13.8	14.2	13.3	13.4	14	13.3	14.4	13.9
Molybdenum	mg/kg	3,500	350	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nickel	mg/kg	2,000	20	12.5	13.1	11.6	11.9	12	12.5	12.7	12	12.6	11.9
Selenium	mg/kg	100	1.0	<1	<1	<1	<1	<1	<1	<1.0	<1	<1	<1
Silver	mg/kg	500	5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	mg/kg	700	7.0	<1	<1	<1	<1	<1	<1	<1.0	<1	<1	<1
Vanadium	mg/kg	2,400	24	32.4	36.1	27.5	30.8	31.2	32.3	34.2	32	34.1	32.2
Zinc	mg/kg	5,000	250	49.9	54.7	47.2	48	47.7	49.7	52.2	48.2	51.3	48.1
Mercury	mg/kg	20	2.0	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14

<sup>(1)</sup> TOTAL CHROMIUM WAS ANALYZED ASSUMING ALL OF THE CHROMIUM IS PRESENT AS CHROMIUM 6+, ALL OF THE VALUES ARE WELL BELOW REGULATORY LIMITS FOR BOTH TOTAL AND SOLUABLE CHROMIUM 6+.

TABLE 5
SUMMARY OF RADIOLOGICAL SURVEY RESULTS

. 1	SAMPLE I.D.	LOCATION	DATE	MICROREM/HOUR
	RS-1	Area 1	7/18/2005	< 10
١	RS-2	Area 2	7/18/2005	< 10
	RS-3	Area 3	7/18/2005	< 10
	RS-4	Area 4	7/18/2005	< 10
Ì	RS-5	Area 5	7/18/2005	<b>  &lt;10</b>
1	RS-6	Area 6	7/18/2005	< 10
-	RS-7	Area 7	7/18/2005	. < 10
1	RS-8	Area 8	7/18/2005	< 10
	RS-9	Area 9	7/18/2005	<10
	RS-10	Area 10	7/18/2005	< 10
Į	RS-11	Tract 2	7/18/2005	< 10
ı	RS-12	Tract 2	7/18/2005	< 10
1	RS-13	Tract 2	7/18/2005	< 10
1	RS-14	Tract 2	7/18/2005	< 10
1	RS-15	Tract 2	7/19/2005	< 10
I	RS-16	Tract 2	7/19/2005	< 10
ł	RS-17	Tract 2	7/19/2005	< 10
ı	RS-18	Tract 1	7/19/2005	< 10
ı	RS-19	Tract 1	7/19/2005	< 10
J	RS-20	Tract 1	7/19/2005	< 10
ł	RS-21	Tract 1	7/19/2005	< 10
Į	RS-22	Tract 1	7/19/2005	< 10
I	RS-23	Tract 1	7/19/2005	< 10
ł	RS-24	Tract 1	7/19/2005	< 10
i	RS-25	Tract 1	7/19/2005	< 10
Į	RS-26	S Road	7/19/2005	< 10
ĺ	RS-27	S Road	7/19/2005	< 10
١	RS-28	S.Road	7/19/2005	< 10

**FIGURES** 

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APPENDIX A



750 Royal Oaks Drive Suite 100 Monrovia, California 91016-3629 Tol: 626 568 6400 Fax: 626 568 6324 1 800 556 LABS (1 800 566 5227)

#### Laboratory Report

for

Allwest Remediation, Inc. 1201 N. Barsten Way

Anaheim, , CA 92806

Attention: Richard Scott Fax: (714) 237-1202



YOM Yolanda Martin Project Manager Report#: 149044 SOIL

Laboratory certifies that the test results meet all NELAC requirements unless n ted in the Comments section or the Case Narrative. Following the cover page a b Data Report, totaling 1 page[s].



Laboratory Data Report

#149045

750 Royal Oaks Drive Suite 100 Monrovia, California 91016-9629 Tol: 626 568 6400 Pac: 626 568 6324 1 800 566 LABS († 800 566 5227)

Allwest Remediation, Inc. Richard Scott 1201 N. Barsten Way Anaheim, , CA 92806 Samples Received 05/27/05

Anal Method Analyte	Result Units MRL
;-01 (2505270021) Sampled on 05/28/05 (OCADHS/EPA314 ) Perchlorate	05/27/05 08:30 ND mg/kg 0.040
1-02 (2505270022) Sampled on 05/28/05 (OCADHS/EPA314 ) Perchlorate	05/27/05 09:30 ND mg/kg 0.040
-03 (2505270023)	05/27/05 10:30 1400 mg/kg 2.0



750 Royal Oaks Drive Suite 100 Monrovia, California 91016-3629 Tol: 626 568 6400 Pax: 626 568 6324 1 800 566 LABS (1 800 566 5227)

#### Laboratory Report

for

Allwest Remediation, Inc. 1201 N. Barsten Way

Anaheim, , CA 92806

Attention: Richard Scott Fax: (714) 237-1202



YOM Yolanda Martin Project Manager Report#: 149428

SOIL

Laboratory certifies that the test results meet all **NELAC** requirements unless related in the Comments section or the Case Narrative. Following the cover page a Data Report, totaling 2 page[s].



Laboratory Data Report

#149428

750 Royal Oaks Drive Suite 100 Morrovia, California 91016-3629 Tol: 626 568 6400 Fax: 626 568 6324 1 800 566 LABS (1 600 566 5227)

Allwest Remediation, Inc. Richard Scott 1201 N. Barsten Way Anaheim, , CA 92806

Samples Received 06/04/05

:	Anal	Method	Analyte				Result	Units	MRL	
		(2506040030) (OCADES/EPA314 ) I	Sampled Perchlorate	on	06/02/05	00:00	<b>)</b> 4.5	mg/kg	0.040	
		(2506040031) (OCADES/EPA314 ) E	Sampled Perchlorate	on	06/02/05	00:00	14	mg/kg	0.040	
			Sampled Perchlorate		06/02/05	00:00	ND ND	mg/kg	0.040	
		•	Sampled erchlorate		06/02/05	00:00	8.5	mg/kg	0.040	
		(2506040034) (0CADHS/EPA314 ) P	<b>Sampled</b> erchlorate	on	06/02/05	00:00	ND	mg/kg	0040	
		2506040035) (OCADHS/EPA314 ) P	Sampled erchlorate	on	06/02/05	00:00	ND	mg/kg	0.040	
			<b>Sampled</b> erchlorate		06/02/05	00:00	6.5	mg/kg	0.040	
		2506040037) ocades/epa314 ) Pe	Sampled erchlorate	on	06/02/05	00:00	ЙD	mg/kg	0.040	
		2506040038) ocadhs/epa314 ) Pe	Sampled o	on	06/02/05		NĎ	mg/kg	0.040	



Laboratory Data Report

#149428

750 Royal Oaks Drive Suite 100 Monrovia, California 91016-3629 Tol: 626 568 6400 Fax: 626 568 6324 1 800 566 LABS (1 800 566 5227)

Allwest Remediation, Inc. (continued)

Anal	Method	Analyte			Result	Units	MRL
	(2506040039) (OCADES/EPA314 ) [		n 06/02/05	5 00:00	40	mg/kg	0.040
	(2506040040) (OCADHS/EPA314 ) F	<b>Sampled o</b> Perchlorate	n 06/02/05	5 00:00	ND	mg/kg	0.040
	(2506040041) (0CADHS/EPA314 ) F	Sampled on Perchlorate	n 06/02/05	00:00	ND .	mg/kg	0.040



750 Royal Oaks Drive Suite 100 Monrovia, California 91016-3629 Tol: 626 568 6400 Fax: 626 568 6324 1 800 586 LABS (1 800 566 5227)

#### Laboratory Report

for

Allwest Remediation, Inc. 1201 N. Barsten Way

Anaheim, , CA 92806

Attention: Richard Scott Fax: (714) 237-1202



YOM Yolanda Martin Project Manager Report#: 149429

SOIL

Imporatory certifies that the test results meet all NELAC requirements unless red in the Comments section or the Case Narrative. Following the cover page e Data Report, totaling 2 page[s].



Laboratory Data Report

#149429

750 Royal Oaks Drive Suite 100 Morrovia, California 91018-3629 Tol: 526 568 6400 Fax: 526 568 6324 1 800 566 LABS († 800 566 5227)

Allwest Remediation, Inc. Richard Scott 1201 N. Barsten Way Anaheim, , CA 92806 Samples Received 06/04/05

	Anal	L Method	Analyte			Result	Units	MRL	
2		(2506040042) 5 (OCADES/EPA314 ) E	Sampled or Perchlorate	n 06/03/05	00:00	ND	mg/kg	0.040	Chambin themselves
Z		(2506040043) 5 (0CADHS/RPA314 ) E	Sampled on Perchlorate	n 06/03/05	00:00	ЙD	mg/kg	0.040	man common estapo de me
i		(2506040044) (0CADHS/EPA314 ) F	Sampled or Perchlorate	n 06/03/05	00:00	11	mg/kg	0.040	
:		(2506040045) (OCADHS/EPA314 ) P	Sampled or erchlorate	n 06/03/05	00:00	ND	mg/kg	0.040	
		(2506040046) (OCADHS/EPA314 ) P	<b>Sampled or</b> erchlorate	n 06/03/05	00:00	ŃD	mg/kg	0.040	
	1	(2506040047) (OCADHS/EPA314 ) P	<b>Sampled or</b> erchlorate	06/03/05		ND	mg/kg	0.040	
	*	(2506040048) (0CADHS/EPA314 ) P	Sampled on erchlorate	06/03/05		ND	mg/kg	0.040	
		(2506040049) (осарня/еразі4 ) Ре	<b>Sampled on</b> erchlorate	06/03/05		ИD	mg/kg	0.040	
		(2506040050) (0CADHS/EPA314 ) Pe	Sampled on erchlorate	06/03/05		ND	mg/kg	0.040	: .

#149429



750 Royal Oaks Drive Sufte 100 Monrovia, California 91016-3629 701: 626 568 6400 Fax: 626 568 6324 1 800 566 LABS (1 800 566 5227)

Allwest Remediation, Inc. (continued)

Anal	Method	Analyte			Result	Units	MRL
•	2506040051) CADHS/EPA314 ) P		06/03/05	00:00	ND	mg/kg	0.040
•	506040052) CADHS/EPA314 ) P	Sampled on erchlorate	06/03/05	00:00	ND	mg/kg	0.040
-	506040053) Padhs/EPA314 ) P	<b>Sampled on</b> erchlorate	06/03/05	00:00	ND	mg/kg	0.040
	<b>506040054)</b> adhs/epa314 ) P	Sampled on erchlorate	06/03/05	00:00	ND	mg/kg	0.040

#### ASSOCIATED LABORATORIES LAB REQUEST SUMMARY

Client ID: 8349

Allwest Remediation Inc. Attn: Richard Scott 1201 N. Barsten Way Anaheim, CA 92806 De 1800 200 - Jun 0

Lab Request 151609

Date Received: 06/06/2005

Project Mgr.: ESB

REVIEW	ВУ 🐺	DATE	
LOG IN	DA	6/10	1
DATA.	86'S	6-8-	: :
QC .		1	1
EINAL POT			<b>∏</b> .:

Phone:714-237-1201 Fax: 714-237-1202 Sübmitter: Client

Project 05 8520-E1

### PRIORITY

Due Date: 06/08/2005 Log Date: 06/06/2005@14:38 625808 Matrix: SOLID Sampled: 06/03/2005 Client Smipl. ID: 2-1 1 Service Gr Analyte viethod Profile CHEM Perchlorate 314 Perchlorate by Ion Chromatography Due Date::06/08/2005 Log Date: 06/06/2005@14:38 Matrix: SOLID Sampled: 06/03/2005 Client Smpl. ID: 2-1-2 Service Gr Analyte . Test Name lethod : Profile Perchiorate 314 Perchlorate by Ion Chromatography Due Date: 06/08/2005 Log Date: 06/06/2005@14:38 Order No.: 625810 Matrix: SOLID: Sampled: 05/03/2005 Client Smpl. ID: 2-1-3 Service Gr Nethod \*\* CHEM Perchlorate 314 Perchlorate by Ion Chromatography Due Date: 06/08/2005 --Log Date: 06/06/2005@14:38 .: 625811 Matrix: SOLID Order No.: Sampled 106/03/2005 · Status: Logged · Client Smpl. ID: 2-2-1 Service Gr 1p Analyte: **Test Name** Profile lethod . gged By: ALBER Lab Request 151609 ticket page 1 of 6

1-862 P.002/010 F-776

114-638-1209

FROM-Associated Laboratories

11M-08-500E 15:50

# ASSOCIATED LABS RESULTS WORKSHEET FOR LAB REQUEST 151,609

rder #: 625808 Client Smpl ID: 2-1-1 Matrix: S  Analyte An Date Init. DF Result		1 .
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LAnd Date Init DE Result	. <u>*</u>	1 .
	DLR	Units
Test# Analyte 1/2	- 15 64	mg/Kg
Perchlorate 6/6 /CC // Page 14		Ţ
		3 'i .
mments:	<u>. I </u>	<u> </u>
rder #: 625809 Client Smpl ID: 2-1-2	OLID <u>.</u>	4
Test # Analyte An Date Init DF Result	DLR	Units
Test# // // // // // // // // // // // // //	0.04	mg/Kg
Perchlorate $b/b$	1	
		<u>. [ ; ; ; </u> ;
omments:		1 - 1
rder #:   625810   Client Smpl ID: 2-1-3	OLID	
하다면 하시 <u>니다. 아는 바다</u> 때 이상이 있고 환경에 이상이 생활하는 것이 보세요. 함께 함께 이 나는 이상이 없는 것 <u>이 되면 그렇게 된다.</u>		T II Tootso
Test # Analyte Art Date Init. DF Result		Units
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14 Perchlorate		1 1
	* -	3
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order #: 625811 Client Smpl ID: 2-2-1 Matrix:	OLID	
	DLR.	Units
Test# Analyte An Date Init DF Resul		mg/Kg
14 Perchlorate 6/7 7	3 10.04	1 1 1
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omments:		
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	SOLTO:	
Matrix	302.2	
Matrix		
rder #: 625812 Client Smpl ID: 2-2-2 Matrix:	DIR	Ti Timits
rder #: 625812 Client Smpl ID: 2-2-2 Matrix:  Analyte: An. Date Init. DF Resul		Units me/Kg
rder #: 625812 Client Smpl ID: 2-2-2  Test # Analyte An. Dafe Init. DF Resul	- 804	Units mg/Kg
rder #: 625812 Client Smpl ID: 2-2-2  Test # Analyte An. Dafe Init. DF Resul	- 804	
rder #: 625812 Client Smpl ID: 2-2-2  Test # Analyte An. Dafe Init. DF Resul  14 Perchlorate 6/7 / MA	0.04	
rder #:         625812         Client Smpl ID: 2-2-2         Matrix:           Test #         Analyte         An. Dafe         Init.         DF         Result           14         Perchlorate         6/7         /         /         /	- 804	mg/Kg
Test # Analyte An. Dafe Init. DF Result    Test # Perchlorate 6/7 / Matrix:	0.04	mg/Kg
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Test # Analyte An. Dafe Init. DF Result Perchlorate 6/7 / Matrix:  omments:  Order #: 625813 Client Smpl ID: 2-2-3  Matrix:	0.04 SOLID	mc/Kg
Test # Analyte An. Dafe Init. DF Result on the Computation of the Comp	solid t DLR:	mg/Kg
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## ASSOCIATED LABS RESULTS WORKSHEET FOR LAB REQUEST 151,609

rder#:	625814 Client Smpl ID: 2-3-1		-		Matrix: SOL	# <u>.</u> <b>D</b> D	
Test#	Analyte	An Date	Init.	DF	Result	DLR	Unn
14	Perchlorate	6/6		1.	ND.	0.04	mg/Ks
Comments:			<u> </u>				1.5
Order #:	625815 Client Smpl ID: 2-3-2				Matrix: SOL	<b>D</b> D	
Test #	Analyte-	An Date	Init	DF	Result	. DLR	Ur
314	Perchlorate	6/6		. /-	150	0.04	mg/l-g
			i ·				
Jomments: · · ·							
rder #:	625816 Client Smpl ID: 2-3-3		F		Matrix: SOL	no.	
Test#	Analyte	An. Date	Init.	DF	Result	DLR	Unit
14	Perchlorate	6/6		1	110	0.04	ing/
omments:		-					
Omments.							
rder#:	625817 Client Smpl ID: 2-4-1				Matrix: SOLI	D	
Test#	Analyte	An/Date	Init.	DF	Result	DLR .	Uina
14	Perchlorate	6/6		1: "	NO	0.04	mg/Kg
omments:		7				: :. ·	
]			· · · · · ·	:			
order#:	625818 Client Smpl ID: 2-4-2				Matrix: soli	D	The second secon
Test#	Analyte	An Date	Init.	DF	Result	DLR	Ur s
14	Perchlorate -	6/7	]		. 110	0.04	mg/l-g
omments:						<del> </del>	
				::			
rder#:	625819 Client Smpl ID: 2-4-3				Matrix: SOLI		The state of the s
Test#	Analyte	An. Date	Init.	DF	Result	DLR	Units
14	Perchlorate	1.6/2		1		0.04	mg/ ;
omments:	당기용 전 시간 병원 보기 여름			· ' : <u>,</u> ·	1 11	1. 1. 1. 1. 1. 1.	
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T on Request 151600 worksheet inside 2 of 5

### ASSOCIATED LABS RESULTS WORKSHEET FOR LAB REQUEST 151,609

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	Clarit Front M: 2 5 0				Matrix: SOLID		1
rder#:	625820 Client Smpl ID: 2-5-0			•			
			 	<u> </u>	Result	DLR	Units
Test#	Analyte	An Date	Init.	DF	·	0,04	mg/Kg
1.4	Perchlorate	6/7		1. 7. ".	0,052.	0,01	1 5 - 5 - 1 - 5 - 1 - 1 - 1 - 1 - 1 - 1
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Comments:				•			
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· · · · · · · · · · · · · · · · · · ·			i :	<u>.</u>	Matrix: SOLID	)	
Order#:	625821 Client Smpl ID: 2-5-1	: <u> </u>		• .			
		, ,	1	T. 17	Result	DLR	Units
- Test#	Analyte	An Date	Init.	DF			mg/Kg
	Perchlorate	6/2			0.244	0.04	ME! 1.5
314	T. O. O. D. C.	1 7 7		. 7			
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omments:		ii .					1.11
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)rder#:	625822 Client Smpl ID: 2-5-2				TYRESTER ALL STORES		
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Test#	Analyte	Air Date	· Init:	DF '	Result	DLR	Units
		16	<del>                                     </del>	1	0.060	0.04	mg/Kg
314	Perchlorate	1 6//-		<u> </u>		-	- 33
				-			411_
omments:			<del> </del>	<del></del>			14.
				•	Matrix: SOLID		
Order#:	625823 Client Smpl ID: 2-6-0		-		Mairix. Solit		
·		<u>la</u>	· · · · · ·				्यों है। हैन्द्र एक हैं विशेषकाल करा
<u> </u>	Analyte	An. Date	Init.	DF	Result	DLR	Units
Test #				2	0,346	0.04	mg/Kg
114:	Perchlorate	:6/7	<u> </u>	<u>  Z</u>	· <i>U</i> / / T · <i>U</i>	<del></del>	
		- : #					
Comments:		<u> </u>				<u> </u>	Fi
		<u>· ; ·                                   </u>		· · · ·			111
·				:			
Order#:	625824 Client Smpl ID: 2-6-1	- ,	"		Matrix: SOLIC	' i	
Older ".						<u> </u>	·
1	A . T	:An. Date	Init.	DF	Result	DLR	Units
Test#	Analyte	, Au Daw		+	0.082	0.04	mg/Kg
314	Perchlorate	6/7:	<u> </u>	1./	1.00.002	1	
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omments:			<u> </u>				
, J. E.						1 2 2 2 2	
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. 1	625825 Client Smpl ID: 2-6-2				Matrix: SOLII	)'	
)rder#:	625825 Client Smpl ID: 2-6-2			÷ ,		j	<u> </u>
: : : : :		# : TN = 4	- T-34	DF:	Result	DLR	Units
Test#	Analyte	An Date	TILL	<del> </del>		0.04	mg/Kg
314	Perchlorate	6/7	ļ	500	99.5	10.04	-55
		1 1 1			医存储器检查剂		435
		5 N	* ***	•			<u> </u>
comments: :			•:		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
			Date of	nalvinia	Init = Analyst m	tials	
DLR = Detection	a limit for reporting purposes. DF = Dilution factor	or, An Date =	DRIC OF S	⊩ mortÀais			
: '						1	
	Lah Romest 15	TOON MOLKSUGE!	DAKED OF	ยไปนอง เก	FROM-Associated	lg:Zl 900	2-80-NDC
	010 2000 1 700 1 000 (#11		26 ( AU 1 )	ひょひりび しん	、 ロチ () 1   1   1   1   1   1   1   1   1   1	13761 300	O OO [413]

1-862 P 005/010 F-778

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FROM-Associated Laboratories

19:21 900Z-80-NNf

# ASSOCIATED LABS RESULTS WORKSHEET FOR LAB REQUEST 151,609

rder #: [-	625826 Client Smpl ID: 2-7-0				Matrix: SOLI	Ď	
Test#	Analyte	An Date	Init.	DF	Result	DLR	Uil.
14	Perchlorate .	6/7			ND	0.04	mg/Kg
		4		<b>:</b> : :			
omments:							1:
order#:	625827 Client Smpl ID: 2-7-1				Matrix: SOLI	<b>.</b>	
			- · · · · · · · · · · · · · · · · · · ·	· T		77.17	
Test#	Analyte	An. Date	Init	DF	Rèsult	DLR 0.04	U1
014	Perchlorafe:	6/7	1	1./-	NO	-	
ómments:				-			
·							<u> </u>
rder#:	625828 Client Smpl ID: 2-7-2			1	Matrix: SOLH	<b>)</b>	
Test#	Analyte	An. Date	Init.	DF	Result	DLR	Unit
14 :	Perchlorate	111. 10.	imi		NO	0.04	mg/
		1-6//-		<u>                                     </u>		<u> </u>	
omments:			:		<u> </u>		
rder#:	625829 Chent Smpl ID: 2-8-0				Matrix: SOLI		White part of the
: Test#	Analyte	An Date	Init	DF	Result	DLR   0.04	mg/Kg
14	Perchlorate	6/7	<del> ,                                  </del>	<u> </u>	NO	10.04	105/27
nments:							The same of
rder #:	625830 Client Smpl ID: 2-8-1				Matrix: SOLID		
Test#	Analyte	An Date	Init	DF.	Result	DLR	U
[4	Perchlorate	6/7	1 5 1 1	/	NO	0.04	mg/i
mments:							
der#:	625831 Client Smpl ID: 2-8-2				Matrix: solid		
Test#	Analyte	An. Date	Init.	DF	Result	DLR	Unit
4	Perchlorate	6/7	<u>: : :                                </u>	/	NO	0:04	mg/ g
mments:		· /i /		· · · · · ·			
				. •			10 Sept 5 / 10 PM
					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·	

### CHEM

### ASSOCIATED LABS RESULTS WORKSHEET FOR LAB REQUEST 151,609

625832 imple Description:2-1-0/2-2-0/2-3-0/2-4-0

Client Smpl ID: Composite

Matrix: SOLID

Test# Analyte 22.6 5.0 mg/kg 00.0 Nitrate (as NO3) 6/7 RC / 22.6 5.0 mg/kg			*	A in Data	Init. DF	Result	DLR	Units
00.0 Nitrate (as NO3) 10.04 mg/kg	: Test#	Anal	yte	An Date	11116	. 8-7:-6	5.0	mg/Kg
	00.0	Nitrate (as NO3)		6/7	/2C. /:	7/0	0.04	
314 Felinorate	314	Perchlorate		6/7	1. 5.0	7.60		1.5.

rder#:

Client Smpl ID: Laboratory Method Blank

Matrix: SOLID

Units Result Init DF An Date Analyte Test# mg/Kg 5,0 Nitrate (as NO3) 00.0 mg/Kg Perchlorate

mments:

DLR = Detection limit for reporting purposes: DF = Dilution factor. An Date = Date of analysis. Init = Analyst initials



SS\_\_AT\_\_LA\_\_RA\_\_RE.

806 N. Batavia • Orange, CA 92868 (714) 771-6900 • Fax: (714) 538-1209 151609

Date L/6 Page of 2

CLIENT Allusest 1	Zewediation	_							
ADDRESS 1701 N		PROJECT MA	ANAGEF	Billio	ind S	cott		Lab Use	o Only: s Intact: Yes No
Angheim Ca	PROJECT MANAGER PICHARA Scott  PHONE NUMBER (714) 237-1201					County	Seas Intact Yes No Ambient Cooled Frozen		
PROJECT NAME		SAVIPLERS;	Signatu	re)	166	<u> </u>		Sample Same D	Ambient Cobled Frozen pay 24 Hr 48 Hr
05 8520-E1					1401 [27]	P. P.	· i	1	48 HrX
SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	WATER	MPLETY AIR	SOLID	NO OF CNTNRS	SUSP. CONTAM.	TESTS REQUIRED
7-1-1		6/2/05				Х	1		314.0
2-1-2		6/2/5		ļ 1		X			314.0
2-1-3	· · · · · · · · · · · · · · · · · · ·	6/2/05				X	1		314,0
2-2-1	· · · · · · · · · · · · · · · · · · ·	6/2/05				X	1		314,0
2-2-2	·	6/2/05				X	1		340
Z-2-3		6/245				X	j		314,0
7-3-1		6/2/05				X	1		3140
7-3-2		6/2/05	1			X			3140
2-3-3		6/2/05	ļ			X			314,0
2-4-1		6/2/05	1			X	ì		34.0
7-4-2		6/2/05				X	1		3140
2-4-3		6/2/03			1	X			314.0
7-570		6/3/00				人	Į.		314.0
Re(inquished by: (Signature)	Receive	ed by: (Signature	) 			Date/Ti	ne 652.4	i hereby Indicate	vauthorize the performance of the above id work.
Relinquished by: (Signature)  Special Instructions:	Receive (Signati	ed by Labdratory ure)	for anal	rsis: V		Date/Ti			
Opedial Instructions.	bearing a transmitted to be a transmitted of the tr	Control of the contro	and the second stage			14. The second s		DISTRI Pink to	BUTION: White with report, Yellow to AL,



ASSOCIATED LABORATORIES

806 N. Batavia • Orange, CA 92868
(714) 771-6900 • Fax: (714) 538-1209

151609

MIAHO	OF CI	ISTODY	RECORD

CLIENT AllWest ADDRESS 1201 I AMAWIM CO PROJECTNAME OS 8520-8	PHONE NUM	PHONE NUMBER (49 737 720)  SAMPLERS (Signature)  Lab Use Only: Samples Intact Yes No _ County Seals Intact Yes Sample Ambient _ Cooled Same Day 24 Hr Regular 48 HrX					s Intact Yes No Seals Intact Yes No Ambient Cooled Frozen		
SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SA WATER	MPLETY AIR	PE SOLID	NO OF CNTNAS	SUSP. CONTAM.	TESTS REQUIRED
2-5-1		6/3/05				χ	Į		3/4,0
7-5-2		613/05				X	J		314,0
2-6-0		6/3/05				X			3/4.0
Z-6-Z		6/3/05				X	1		314,0
2-6-2		6/3/05				X	\		3/4.0
7-7-0		6/3/05				X	1		314,0
2-7-1		6/3/03				X	1		314,0
2-7-2		6/3/05				1	1		314.0
2-8-0		6/3/05	-	:		1			314,0
2-8-1		6/3/05				1	1	-	3/4,0
2-8-2		613/05				<u> </u>	(		3/4,0
				<u>.                                      </u>	_		·\		
Rèlinquished by: (Sign	ature)	Received by: (Signature	)		·	Date/Ti	me 05 2,40		y authorize the performance of the above ed work,
Relinquished by: (Sign	ature)	Received by Laboratory (Signature)	for ana	lysis:		Daie/T			
Special Instructions:		·						DISTR	\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

<sub>M</sub> 3	
	•

### SCUIATED LALURATURES

	(IN (	:US	)}	/ F	
ala		Page	3	-01	3

		j		ļ	J		<u> </u>	<del>- </del> -	<u> </u>	
2-4-0		6	12/05			:	X	1		314.0 (+ Nitrates)
2-2-0 2-3-0 2-4-0			12/05				X			314.0 However
Z-(-0	DEGOGIFTION	6	1405				X			314.0) 0
05 8570- SAMPLE	LOCATION DESCRIPTION	SA	MPLERS!	Signatu		MPLE TYP	E SOLID	NO OF CNTNRS	Same D Regular SUSP.	ay 24 Hr 48 HrX TESTS REQUIRED
ADDRESS 120 AMANUM	N Bausten Wo Ca 97206	PH	ONE NUM	IBER (7/	H) 23	lud S 7-120	co#		County &	Intact Yes No Seats Intact Yes No Ambjent Cooled Frozen
CLIENT Allwest	14) 771-6900 • Fax: (714) 538-1: † Remediation ( N Barstein Wo (a 97206	PRI PHI	ONE NUM	IBER (7/	H) 23	(609 lvd S 7-120	cott 21		Samples County ( Sample	Intact Yes No Seats Intact Yes No . Ambient Cooled Fro:

# ASSOCIATED LABS RESULTS WORKSHEET FOR LAB REQUEST 151,609

i						• "	
	ASSOCIATED LABS RESULTS				Vlatrix: SOLID	, <sub>1</sub> 1	
	626835 Client Smpl ID: 2-1-0				ALIACA LAS		<b>V</b>
ler#:	626835 Client Smp1 ID: 2-1-0		·			DLR	Units
		An Date	Init.	DF	Result	5.0	mg/Kg
Test#	Analyte	6/9	RC	2.	: 67.2.		mg/Kg
0.0	Nitrate (as NO3)		.Ro	1	: 4080	0.04	mg/mg.
a -	Perchlorate	6/8	1./	<u></u>		***	
<u> </u>			4.0	75	ociri-		·
nments:	<u></u>				RG: 6/19		
nments.			•			-)-	
'			1. 1	-	Matrix: SOLI	D:	
der#:	626836 Client Smpl ID: 2-2-0		: .			<u> </u>	
gex			7-54	DF	Result	DLR	Units
) ···	Analyte	An Dat	e Init.	101	<u> </u>	5.0	mg/Kg
Test#	Nitrate (as NO3)			$\perp \angle$	21.4.	0.04	mg/Kg
0.00				50	8,700	<u> </u>	
[4	Perchlorate				17		
			<u></u>				
mments:			<u> </u>				1 1 1
· . <u></u> -					Service COTT	m	
	626837 Client Smpl ID: 2-3-0		- 		Matrix: SOL	щ	
rder#:	626837 Client Smpl 1D: 2-3-0			- 1		ile: DYD	Unit
		An. Da	te Init.	DF	Result	DLR	mg/Kg
Test#	Analyte	······································	<del>-</del> -	17	151	5.0	
000	Nitrate (as NO3) /5	·/		-/	0.870	0.04	mg/Kg
14	Perchlorate					1	
						11-	
			<b>:</b>		. Rc	6/7	
mente					re	6/7	
omments:							
oniments:			-				
	626838 : Client Smpl ID: 2-4-0		-		Matrix: Soi	HD.	
	626838   Client Smpl ID: 2-4-0		a Turk	TOP:	Matrix: SOL		Unit
rder#:		An. Da		DF	Matrix: SOI	HD.	mg/K
Test#	Analyte	An Da	ite Init	DF	Matrix: SOI	ID DLR	Unit
Test #	Analyte Nitrate (as NO3)	An. Da		DF	Matrix: SOI	ID DLR	mg/K
Test #	Analyte	An. Da		DF /	Matrix: SOI	ID DLR	mg/K
Test #	Analyte Nitrate (as NO3)	An. Da		1/	Matrix: SOI	ID DLR	mg/K
Test #	Analyte Nitrate (as NO3)	An Da		DF	Matrix: SOI	ID DLR	mg/K
Test #	Analyte Nitrate (as NO3)			1/	Matrix: SOI	ID DLR	mg/K
Test #	Analyte Nitrate (as NO3)			1/	Matrix: SOI	ID DLR	mg/K
Test #	Analyte Nitrate (as NO3)			1/	Matrix: SOI	ID DLR	mg/K
Test #	Analyte Nitrate (as NO3)			1/	Matrix: SOI	ID DLR	mg/K
Test #	Analyte Nitrate (as NO3)			1/	Matrix: SOI	ID DLR	mg/K
Test #	Analyte Nitrate (as NO3)			1/	Matrix: SOI	ID DLR	mg/K
Test # 300.0	Analyte Nitrate (as NO3)			1/	Matrix: SOI	ID DLR	mg/K

DLR = Detection limit for reporting purposes. DF = Dilution factor. An Date = Date of analysis. Init = Analyst initials

Lab Request 151609 worksheet, page 1 of 1

## ASSOCIATED LABORATORIES LAB REQUEST SUMMARY

Lab Request / 51609 Client ID: 8349 Date Received: 06/06/2005 Allwest Remediation Inc. Project Mgr.: ESB.: Attn: Ivan de Leon 1201 N. Barsten Way Anaheim, CA 92806 LOG IN 6 (n65 Fax: 714-237-1202 Phone:714-237-1201 Submitter: Client RP1 Project: 05 8520-E1 Comments: Added 314 and NO3 to 835-838 per B.S. 6-8-05 AV Due Date: 06/08/2005 Log Date: 06/08/2005 626835 Matrix: SOLID Order No.: PRIORIT Status: Logged-Sampled: 06/02/2005 Client Smpl. ID: 2-1-0 Service Grou Analyte Test Name Profile Method CHEM 300.0 Nitrate as NO3 by lon Chromatography Nitrate (as NO3 CHEM. 300.0 314 Perchlorate by Ion Chromatography Perchlorate 314 Due Date: 06/08/2005 Log Date: 06/08/2005 Matrix: SOLID .. 626836 Order No. PRIOR Status: Logged Sampled: 06/02/2005 Client Smpl. ID: 2-2-0 Service ( Analyte Test Name Profile Method' CHÉM Nitrate (as NO3) 300:0 Nitrate as NO3 by Ion Chromatography CHEM 300.0 314 Perchlorate by Ion Chromatography Perchlorate 314: :Due Date: 06/08/2005 Log Date: 06/08/2005 Matrix: SOLID 626837 Order No. !PRIOR Status: Logged Sampled: 06/02/2005 Citent Smpl. ID: 2-3-0 Service 5:01 Analyte · Tast Name Profile Method CHEM Nitrate (as NO3) 300.0 Nitrate as NO3 by lon Chromatography 300.0 CHEM Perchlorate 314 Perchlorate by Ion Chromatography 314

1-001 b 001/003 E-814

Logged By: ALBERT

114-538-1209

Lab Request 151609 ticket, page 1 of 2

FROM-Associated Laboratories

JUN-10-2005 08:04

# ASSOCIATED LABORATORIES LAB REQUEST SUMMARY

(Lab Request 151609 ticket continued, page 2 of 2)

Due Date: 06/08/2005 Log Date: 06/08/2005 626838 Matrix: SOLID

Client Smpl. ID: 2-4-0	Sampled: 06/02/	2005 Status Analyte	: Logged Service Group
ethod Profile	(651 Maine		CHEM CHEM
300.0 14	314 Perchlorate by Ion Chromatography	Perchlorate	Officer 7

Logged By: ALBERTV

Lab Request 151609 ticket, page 2 of 2

P 002/003 F-814 1-001 114-538-1208

FROM-Associated Laboratories

10K-10-2005 08:04



FAX 714/538-1209

CLIENT Allwest Remediation Inc.

(8349)

LAB REQUEST 152095

ATTN: Richard Scott

1201 N. Barsten Way

REPORTED

06/15/2005

Anaheim, CA 92806

RECEIVED

06/15/2005

PROJECT West Hills

SUBMITTER Client

**COMMENTS** 

I his laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report This cover letter is an integral part of the final report

Order No.	Client Sample Identification				
628278	SS-04				
628279	\$S:05				
628280	SS-06				
628281	SS-07				
628282	Laboratory Method Blank				

I hank you for the opportunity to be of service to your company Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Mil I for

Edward S. Behare, Ph.D.

Vice President

NOTE. Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING Chemica Microbiologica Environmental

te Sampled: 06/14/2005 ae Sampled: 15:10					
Analyte		Result	DLR	Units	Date/Analyst
Perchlorate by Ion Chroma	atography				
Perchlorate		ND	0.04	mg/Kg	06/15/05 RC
rder #: 628279 htrix: SOLID te Sampled: 06/14/2005 ne Sampled: 15:40	Client Sample ID: SS-05				
Analyte		Result	DLR	Units	Date/Analyst
Perchlorate by Ion Chroma	tography				
Perchlorate	<u> </u>	ND	0.04	mg/Kg	06/15/05 RC
der #: 628280 trix: SOLID te Sampled: 06/14/2005 te Sampled: 16:15	Client Sample ID: SS-06			· w w	
Analyte	·	Result	DLR	Units	Date/Analyst
Perchlorate by Ion Chromat	tography				
Perchlorate by Ion Chromat	tography	ND	0.04	mg/Kg	06/15/05 RC
Perchlorate  ler #: 628281		ND	0.04	mg/Kg	06/15/05 RC
Perchlorate  der #: 628281  aix: SOLID e Sampled: 06/14/2005		ND	0.04	mg/Kg	06/15/05 RC
Perchlorate  der #: 628281  aix: SOLID e Sampled: 06/14/2005		ND  Result	0.04 DLR	mg/Kg Units	06/15/05 RC  Date/Analyst
der #: 628281 trix: SOLID e Sampled: 06/14/2005 ne Sampled: 16:30	Client Sample ID: SS-07	•			

LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



rder #: 628282 Client Sample ID: Laboratory Method Blank

Matrix: SOLID

Analyte	Result	DLR	Units	Date/Analyst	1
314 Perchlorate by Ion Chromatography					Sample of the same
Perchlorate	ND	0.04	mg/Kg	06/15/05 RC	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



# ASSOCIATED LABORATORIES **QA REPORT FORM**

QC Sample:

LR 152095-628281

Matrix:

SOIL

Prep. Date:

6/15/05

Analysis Date:

6/15/05

Lab ID#'s in Batch:

LR 152095

#### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS =

ug/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
C1O4	314.0	ND	500.0	521.0	520.0	104	104	0

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%Recovery Limits: 80 - 120 %

%RPD Limit: 20 %

#### PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

		PREP BLK	LCS				
Test	Method	Value	Result	True	%Rec	L.Limit	H.Limit
CIO4	314.0	ND	209.0	200	105	85%	115%

 $VALUE = Preparation \ Blank \ Value, \ ND = Not-Detected$ 

LCS = Lab Control Sample Result

TRUE = True Value of LCS

L.LIMIT / H.LIMIT = LCS Control Limits



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

### Cooler Receipt Form

Client: Allwest Remediation Project: West Hills	·. ·
Date Cooler Received: 6/15/05 Date Cooler Opened: 6/15/0	25
Was cooler scanned for presence of radioactivity? If yes was radioactivity results above 25 cpm?	Yes/No Yes/No
Was a shipper's packing slip attached to the cooler?	Yes/No ro coder
If the cooler had custody seal(s), were thy signed and intact?	Yes/No/Na
Was the cooler packed with: Ice Ice Packs Bubble wrap Other	· ·
Cooler Temperature: \( \lambda_6 \) COOLC *  *cooler needs to be received @ 4°C with an acceptable range of 2°-6°C	:
If samples were hand delivered do they meet the temp, criteria, which should be an acceptable range of 2°-6°C?	@ 4°C with Yes/No
If no explain:	
Were all samples sealed in plastic bags?	Yes/No
Did all samples arrive intact? If no, indicate below.	Yeshlo
Were all samples labeled correctly? (ID's Dates, Times) If no, indicate below.	YesXNo
Can the tests required be ran with the provided containers, If no indicate below.	YestNo
Was sufficient sample volume sent for all containers?	Yes/No
Were any VOA vials received with head space?	Yes/No/Na
Was the correct preservatives used?  If no, see the pH log for a list of samples containers regarding pH	Yes/No/Na
Any other important information:	
Receiving Department Date: 6/15/05	



### **ASSOCIATED LABORATORIES**

806 N. Batavia • Orange, CA 92868 (714) 771-6900 • Fax: (714) 538-1209

CHẠIN OF	CUST	YDC	<b>RECO</b>	RD
Saliston	Pane	j	of /	

CLIENT MUGST	Remedian						J-11.	<u> </u>	100012		
ADDRESS 1201 No		PROJECT MANAGER R. Scutt Lab Use Only: Samples Intact Yes No Gr									
		PHONE NUI	PHONE NUMBER 714-237-1201					Samples Intact Yes No County Seals Intact Yes No Sample Ambient Cooled Frozen			
PROJECT NAME WASTHUS		SAMPLERS	: / igr/atu	(a)				Same D Regular	)ay,\_ <u>2</u> } Hr.		
SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SA WATER	MPLE TY AIR	PE SOLID	NO OF CNTNRS	SUSP. CONTAM.	TESTS REQUIRED		
-SS-04		0/14/05	3:10			×	- 1	Perchlond	314.0		
58-05		0/14/05	3:40			<b>√</b>	ţ		3/4.0		
5S-06		4/14/05	4=15			12	1		3/4.0		
<u> 55-07</u>		414/08	4730			X		W	314.0		
					·				PA PA		
				·							
			-				1				
			<u> </u>		 	-		<u> </u>			
	·							<u> </u>			
Relinguished by: (Signati	ura) Recei	ived by: (Signature	7)	<u> </u>	<u>.</u>	Date/Tip	20	Lharabi	authorize the performance of the above		
The first of the second second	11666	tyey by, to ignature	"			6/15/0		indicated	d work.		
Relinquished by: (Signat	ure) Rece (Sign	ived by Laboratory nature)	Horanaly 5 M	# Kris	ten	Date/Tir	ne8:36 S	1			
Special Instructions:				•		,		DISTRI	UV S BUTION: White with report. Yellow to AL,		



FAX 714/538-1209

CLIENT Allwest Remediation Inc.

(8349)

LAB REQUEST 152390

AITN: Richard Scott

1201 N. Barsten Way

REPORTED

06/23/2005

Anaheim, CA 92806

RECEIVED

06/21/2005

SUBMITTER Client

**COMMENTS** 

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
630025	PD-1
630026	PD-2
630027	PD-3
630028	PD-4
630029	PD-5
630030	PD-6
630031	PD-9
630032	PD-10
630033	P-1
630034	P-2
630035	P-3
630036	P-4
630037	<sub>§</sub> P-5
630038	P-6

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D

Vice President

NOTE Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported

TESTING & CONSULTING

Chemica Gerabiologica

Microbiologica Environmental

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### ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Allwest Remediation Inc.

(8349)

LAB REQUEST 152390

ATTN: Richard Scott

REPORTED 06/23/2005

1201 N. Barsten Way Anaheim, CA 92806

RECEIVED

06/21/2005

SUBMITTER

Client

**COMMENTS** 

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
630039	P-7
630040	P-8
630041	P-9
630042	P-10
630043	3-9-0
630044	3-10-0
630045	3-11-0
630046	3-12-0
630047	3-13-0
630048	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by.

Edward S. Behare, Ph D

Vice President

NOTE Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported

TESTING & CONSULTING

Chemical Microbiological Environmental

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Client: Allwest Remediation Inc.

Matrix: SOLID

Client Sample ID: PD-1

**Date Sampled:** 06/20/2005

Sample Description: Plant Debri

Time Sampled: Sampled By:

Analyte	Result	DF	DLR	Units	Date/Ar	alyst
314 Perchlorate by Ion Chromatography						to contract the contract to th
Perchlorate	51.6	200	80	mg/Kg	06/21/05	RC



Order #: 630026
Matrix: SOLID

Client: Allwest Remediation Inc.

Client Sample ID: PD-2

Date Sampled: 06/20/2005

Sample Description: Plant Debri

Time Sampled: Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	·
314 Perchlorate by Ion Chromatography						
Perchlorate	48 3	200	8.0	mg/Kg	06/21/05 RC	



Client: Allwest Remediation Inc.

Matrix: SOLID Date Sampled: 06/20/2005 Client Sample ID: PD-3

lime Sampled:

Sampled By:

Sample Description: Plant Debri

Analyte		Result	DF	DLR	Units	Date/An	alyst
314 Perchlorate by Ion Chromatography	·			4			lanus su
Perchlorate		52 8	200	8.0	mg/Kg	06/21/05	RC

Client: Allwest Remediation Inc.

Matrix: SOLID

Client Sample ID: PD-4

**Date Sampled:** 06/20/2005

Sample Description: Plant Debri

Time Sampled: Sampled By:

Analyte	Result	DF_	DLR Units	Date/Analyst	
314 Perchlorate by Ion Chromatography					
Perchlorate	42.0	200	8.0 mg/Kg	06/21/05 RC	



Client: Allwest Remediation Inc

Matrix: SOLID

Client Sample ID: PD-5

Pate Sampled: 06/20/2005

Sample Description: Plant Debri

fime Sampled: Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analys	<u>t</u>
314 Perchlorate by Ion Chromatography						To age
Perchlorate	ND	1	0.04	mg/Kg	06/21/05 RC	and the second



Client: Allwest Remediation Inc.

Matrix: SOLID

Client Sample ID: PD-6

**Date Sampled:** 06/20/2005

Sample Description: Plant Debri

Iime Sampled: Sampled By:

> Date/Analyst Result DF Units Analyte DLR

314 Perchlorate by Ion Chromatography

8.40 200 Perchlorate 8.0 mg/Kg 06/21/05 RC



Matrix: SOLID

Client: Allwest Remediation Inc.

Client Sample ID: PD-9

Sample Description: Plant Debri

Pate Sampled: 06/20/2005 fime Sampled: Sampled By:

Analyte Result DF DLR Units Date/Analyst

314 Perchlorate by Ion Chromatography

Perchlorate ND 1 0 04 mg/Kg 06/21/05 RC



Client: Allwest Remediation Inc.

Matrix: SOLID

Client Sample ID: PD-10

Date Sampled: 06/20/2005 lime Sampled: Sample Description: Plant Debri

Sampled By:

Analyte	 Result	DF	DLR	Units	Date/Analyst	
314 Perchlorate by Ion Chromatography						
Perchlorate	ND	1	004	mg/Kg	06/22/05 RC	



Analyte

Matrix: SOLID

Client: Allwest Remediation Inc.

**Date Sampled:** 06/20/2005

Client Sample ID: P-1 Sample Description: Plant

Time Sampled: Sampled By:

> Units Date/Analyst Result DF DLR

314 Perchlorate by Ion Chromatography

33 5 200 8.0 mg/Kg 06/21/05 RC Perchlorate



**)**rder #: 630034

Client: Allwest Remediation Inc.

Matrix: SOLID

late Sampled: 06/20/2005

Client Sample ID: P-2 Sample Description: Plant

ime Sampled: Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
314 Perchlorate by Ion Chromatography					•
Perchlorate	43.9	200	8.0	mg/Kg	06/21/05 RC



Analyte

Client: Allwest Remediation Inc.

Matrix: SOLID **Pate Sampled:** 06/20/2005 Client Sample ID: P-3 Sample Description: Plant

Iime Sampled: Sampled By:

	Result	DF	DLR	Units	Date/Analyst

314 Perchlorate by Ion Chromatography

200 mg/Kg 06/21/05 RC32.2 8.0 Perchlorate



Client: Allwest Remediation Inc.

Matrix: SOLID

Client Sample ID: P-4

Date Sampled: 06/20/2005 [ime Sampled: Sampled By:

Sample Description: Plant

Analyte	Result DF DLR		Units	Date/Analyst	
314 Perchlorate by Ion Chromatography			•		•
Perchlorate	57.7	200	8 0	mg/Kg	06/21/05 RC



**Drder #:** 630037

Client: Allwest Remediation Inc.

Matrix: SOLID

Client Sample ID: P-5

pate Sampled: 06/20/2005 time Sampled: Sampled By: Sample Description: Plant

Analyte	Result	DF	DLR	Units	Date/Ar	nalyst	
314 Perchlorate by Ion Chromatography							- Angelon
Perchlorate	0.24	1	0.04	mg/Kg	06/21/05	RC	:



Order #: [

630038

Client: Allwest Remediation Inc.

Matrix: SOLID

Client Sample ID: P-6

Date Sampled: 06/20/2005

Sample Description: Plant

Time Sampled: Sampled By:

Analyte		Result	DF	DLR	Units	Date/Analyst	
314 Perchlorate by Ion Chromatography							
Perchlorate	1	0.18	1	0.04	mg/Kg	06/21/05 RC	



Client: Allwest Remediation Inc.

Matrix: SOLID

Date Sampled: 06/20/2005

Client Sample ID: P-7

Time Sampled: Sampled By: Sample Description: Plant

Analyte	 Result	DF	DLR	Units	Date/An	alyst	
314 Perchlorate by Ion Chromatography							
Perchlorate	0.31	1	0.04	mg/Kg	06/22/05	RC	- <u>;</u> -



Client: Allwest Remediation Inc.

Matrix: SOLID

Date Sampled: 06/20/2005

Client Sample ID: P-8

Time Sampled: Sampled By:

Sample Description: Plant

Analyte	Result	DF	DLR	Units	Date/Analyst
314 Perchlorate by Ion Chromatography					
Perchlorate	0 26	. 1	0 04	mg/Kg	06/22/05 RC



630041

Client: Allwest Remediation Inc

Matrix: SOLID Date Sampled: 06/20/2005

**Analyte** 

Client Sample ID: P-9 Sample Description: Plant

Time Sampled: Sampled By:

DF

DLR

Units

Date/Analyst

Result

314 Perchlorate by Ion Chromatography

06/22/05 0.08 RC1 0.04 mg/Kg Perchlorate



Client: Allwest Remediation Inc.

Matrix: SOLID **Date Sampled:** 06/20/2005 Client Sample ID: P-10

sime Sampled: Sampled By:

Sample Description: Plant

Analyte	Result	DF	DLR	Units	Date/Analyst	
314 Perchlorate by Ion Chromatography						
						_
Perchlorate	0.05	1	0.04	mg/Kg	06/22/05 RC	



Client: Allwest Remediation Inc.

Matrix: SOLID

pate Sampled: 06/20/2005

Client Sample ID: 3-9-0

Time Sampled: 15:15

Sampled By:

Sample Description: Soil

Analyte	·	Result	DF	DLR	Units	Date/Ar	nalyst
300.0 Nitrate as NO3 by Ion Chromatography							
Nitrate (as NO3)	I	44 8	1	5.0	mg/Kg	06/21/05	RC
314 Perchlorate by Ion Chromatography							
Perchlorate	·	ND	1	0.04	mg/Kg	06/22/05	RC



Order #: 630044

Client: Allwest Remediation Inc

Matrix: SOLID

Client Sample ID: 3-10-0

**Date Sampled:** 06/20/2005 **Iime Sampled:** 14:00 Sample Description: Soil

Sampled By:

Analyte		Result	DF	DLR	Units	Date/Analyst
00.0 Nitrate as NO3 by Ion Chromatography						
Nitrate (as NO3)	. ]	16.8	1	50	mg/Kg	06/21/05 RC
Perchlorate by Ion Chromatography					•	
Perchlorate		ND	1	0.04	mg/Kg	06/22/05 RC

NLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor



Order #: 630045

Client: Allwest Remediation Inc.

Matrix: SOLID

Client Sample ID: 3-11-0

Date Sampled: 06/20/2005 Time Sampled: 12:15 Sample Description: Soil

Sampled By:

Analyte	 Result	DF	DLR	Units	Date/An	alyst
0.0 Nitrate as NO3 by Ion Chromatography						
Nitrate (as NO3)	47.1	1	5.0	mg/Kg	06/21/05	RC
4 Perchlorate by Ion Chromatography						
Perchlorate	ND	1	0.04	mg/Kg	06/22/05	RC

\_\_DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor



**)rder #:** 630046

Client: Allwest Remediation Inc.

Matrix: SOLID

Client Sample ID: 3-12-0

**Pate Sampled:** 06/20/2005 **ime Sampled:** 13:15

Sample Description: Soil

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Ar	alyst
00.0 Nitrate as NO3 by Ion Chromatography				·		
Nitrate (as NO3)	42 8	1	5.0	mg/Kg	06/21/05	RC
4 Perchlorate by Ion Chromatography						
Perchlorate	 ND	1	0.04	mg/Kg	06/22/05	RC

LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor



Order #: 630047 Client: Allwest Remediation Inc

Matrix: SOLID Date Sampled: 06/20/2005 Client Sample ID: 3-13-0

Iime Sampled: 13:30

Sampled By:

Sample Description: Soil

Analyte	-07	Result	DF	DLR	Units	Date/Ar	nalys
300.0 Nitrate as NO3 by Ion Chromatography							
Nitrate (as NO3)		35.6	1	5 0	mg/Kg	06/22/05	RC
314 Perchlorate by Ion Chromatography							
Perchlorate		ND	1	0.04	mg/Kg	06/22/05	RC

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor



Order #: 630048

Client: Allwest Remediation Inc.

Matrix: SOLID

Client Sample ID: Laboratory Method Blank

Date Sampled: [ime Sampled: Sampled By:

Analyte	 Result	DF	DLR	Units	Date/Ar	nalyst
00.0 Nitrate as NO3 by Ion Chromatography	·					
Nitrate (as NO3)	ND	1	5.0	mg/Kg	06/21/05	RC
4 Perchlorate by Ion Chromatography						
Perchlorate	ND	1	0.04	mg/Kg	06/22/05	RC

LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor



# ASSOCIATED LABORATORIES QA REPORT FORM

QC Sample:

LR 152390-630032

Matrix:

SOIL

Prep. Date:

6/22/05

Analysis Date:

6/22/05

Lab ID#'s in Batch:

LR 152390-630032

#### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = ug/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
C1O4	314.0	ND	2000.0	2050.0	2020.0	103	101	1

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup %REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%Recovery Limits: 80 - 120 % %RPD Limit: 20 %

#### PREPARATION BLANK/LAB CONTROL SAMPLE RESULTS

		PREP BLK	LCS			<u> </u>	
Test	Method	Value	Result	True	%Rec	L.Limit	H.Limit
C1O4	314.0	ND	211.0	200	106	85%	115%

VALUE = Preparation Blank Value, ND = Not-Detected

LCS = Lab Control Sample Result

TRUE = True Value of LCS

LLIMIT / HLIMIT = LCS Control Limits

# ASSOCIATED LABORATORIES QA REPORT FORM

QC Sample:

LR 152390-630042

Matrix:

SOIL

Prep Date:

6/22/05

Analysis Date:

6/22/05

Lab ID#'s in Batch:

LR 152390-630037 TO 630042

#### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS =

ug/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
C1O4	314.0	50.0	5000.0	4800.0	4750.0	95	94	1

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%Recovery Limits: 80 - 120 %

%RPD Limit. 20 %

#### PREPARATION BLANK/LAB CONTROL SAMPLE RESULTS

		PREP BLK LCS					
Test	Method	Value	Result	True	%Rec	L.Limit	H.Limit
C1O4	314.0	ND	211.0	200	106	85%	115%

VALUE = Preparation Blank Value ND = Not-Detected

ICS = Lab Control Sample Result

TRUE = True Value of LCS

L LIMIT / H LIMIT = LCS Control Limits

1201 NORTH BARSTEN WAY ANAHEIM, CA 92806 PHONE (714) 237-1201 FAX (714) 237-1202

June 21, 2005 Project No. 05-8520 El

Danielle Roberts Associated Laboratories 806 North Batavia Orange, CA 92868

SUBJECT:

FRESH LEAVES/DRIED LEAVES

Dear Danielle:

Please analyze these leaves for perchlorate residue.

1) Weigh bag.

- 2) Extract contents (do not crush leaves, dried leaves may require additional extraction time)
- 3) Rinse bag
- 4) Analyze for perchlorate

Please save the extracts. If you have a different idea how to extract the leaves please don't hesitate to call us at (714) 237-1201.

Sincerely.

ALLWEST REMEDIATION, INC.

Richard Scott

Operations Manager



ASSOCIATED LABORATORIES 806 N. Batavia • Orange, CA 92868 (714) 771-6900 • Fax: (714) 538-1209

CHAIN OF CUST	ODY	RECORD
arladas -	1	, 2

CLIENT_AU	URSO REM	nediation								<u> 10</u>	X090			
ADDRESS	714-25	7-1201		PROJECT M		7 R ( S	Sulf	· · · · · · · · · · · · · · · · · · ·	Lab Use Only: Samples Intact Yes No County Seals Intact Yes No Sample Ambient Cooled Frozen Same Day 24 Hr. Regular 48 Hr.					
PROJECT NAME				SAMPLERS: (Signature)							Same Day 24 Hr			
SAMPLE NUMBER		LOCATION DESCRIPTION		DATE	TIME	WATER	MPLE TY AIR	SOLID	NO OF CNTNRS	SUSP. CONTAM.	TE REQ	ESTS NUIRED		
-PD-1	Planet	Debri		4/20/05				Ø	1	Perch	314.0	Petr	boutt	
-PD-2	1 (	<b>V</b>		11				X	(	. 1(	314.0	)		
1PD-3	K	¥		i, f				X	Į.	11	11			
PD-4	. 10	<i>(t</i>		11				X	ţ	11	lr			
-PD-5	11	Cr		11.						5	(1			
PD-6	( <	c,		τη				X	Ţ	i,	ıς			
-PP-9	t (	ſι		4				X	(	l.	Cy			
-PD-10	į t	1		1(	-			X	1	iç	C <sub>c</sub>			
						-								
						-								
		***************************************												
			ľ	by: (Signature Make by Laboratory	1			Date/Til	I hereby authorize the performance indicated work.			rmance of	the above	
Relinquished by			Received (Signature	by Laboratory e)	for anal	ysis:		Date/Ti	me					
Special Instruct	ions:									DISTRI	BUTION: White with	ı report. Yel	low to AL,	



# ASSOCIATED LABORATORIES 806 N. Batavia • Orange, CA 92868

(714) 771-6900 • Fax: (714) 538-1209

CHAIN OF CUSTODY RECORD

Date 00(2100 Page 2 of 3

	CLIENT Allu	1985 REmedeni									15234	O	
	ADDRESS 1		[P]	ROJECT M	ANAGE	725	ulf	-		Lab Use	Only: Intact Yes <	\_No	
			P	HONE NUM	/BER	M	~			County 9	Seals Intact Ye	esNo	
	PROJECT NAME		S	AMPLERS:	(Signatu	lre)	X	Sample AmbientCooledFrozen Same Day24 Hr Regular 48 Hr					
	SAMPLE NUMBER	LOCATION DESCRIPTION		DATE	TIME	SA WATER	MPLE TY	SOLID	NO OF CNTNRS	SUSP. CONTAM.	. <b>F</b>	TESTS REQUIRED	
4	- P-1	P-1 Planet		2/20/05				X	1	Perch	314.0	perchb	cate
4	- P-2	Îſ		lı				\$	į	7.1	il	·	
4	P-3	11		l f	<u>.</u>			7	. )	t <sub>p</sub>	İΙ		
-	- P.4	1/	· .	νς				$\nearrow$	1	7	V		
·	_ P5	(1)		<b>د</b> ا				X	ſ	ć <sup>t</sup>	11		
_	-9-4	rt		1.				>	1	Γ <sub>i</sub>	L <sup>L</sup>		
	· P-7	ĺ,		(t				×		ĵt.,	11		
	-P-8	١٢ -		Ĭſ	•			×	Ì	les	. 17		
	- P9	<i>f</i> 1		ίζ				×	1	ή·	U		
	P-10	fr		ţ(				X	1	۶	V		<u> </u>
	Δ												
•	Reinquished by:	Signature)	Received by:	, ,	1	Juga	Montua	Date/Tin	ne 10:30	I hereby indicated		erformance of th	e above
	Relinquished by: (		Received by (Signature)	Laboratory	tor analy	/sis:	· · · · · ·	Date/Tir			11		
	Special Instruction	is: See ATTACHE	0-D15	CU 55	wife	DA	NEW			DISTRIE	SUTION: White	with report. Yello	w to AL,



## **ASSOCIATED LABORATORIES**

806 N. Batavia • Orange, CA 92868 (714) 771-6900 • Fax: (714) 538-1209

te 06 2 05 Page 7 of 2

CLIENT Allwest	L. Rendont 714-237-12	201							1,090	$\square$	
ADDRESS		PROJECT W	IANAGEF	R.S	cott		•	Lab Use	Only:	- No /	
		PHONE NUI		714-		201		Samples Intact Yes No County Seals Intact Yes No Sample Ambient Cooled Frozen Same Day 24 Hr.			
PROJECT NAME		SAMPLERS	: (Signatu					Same D Regular	ay 24   48 Hr	Hr. Hrozen	
SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SA WATER	MPLE TY AIR	SOLID	NO OF CNTNRS	SUSP. CONTAM.		TESTS EQUIRED	
3-9-0	500(	6/20/05	3:15			入	Ì	Perch.	314.0	, Notintes (3	300
3-10-0	l ,	6/20/05	2:00			\ <u>\</u>	1	11	11	11	
3-11-0	• (	6/20/05	12:15			×	1 -	11	/\	lr	
3-12-0	11	6/20/05	1:15			×	İ	11	11	ll .	
3-13-0	U	4/20/05	1:30			X	ſ	10	10	·r»	
					-						
				:							
helinquished by:	(Signature)	Received by: (Signature	9)	Ir Journ	Musta	Date/Tir	ne 10:30	l hereby indicate		formance of the a	above
Relinquished by:		Received by Laboratory (Signature)	y torlanaly			Date/Ti	rle		X		
Special Instruction	ons:							DISTRI	BUTION: White v	with report. Yellow	to AL,



ASSOCIATED LABORATORIES

FAX 714/538-1209

CLIENT Allwest Remediation Inc.

(8349)

LAB REQUEST 153720

ATIN: Richard Scott

1201 N. Barsten Way

REPORTED 07/18/2005

Anaheim CA 92806

RECEIVED 07/15/2005

PROJECT Sterling Site

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
636528	4-14-0
636529	4-15-0
636530	4-16-0
636531	4-21-0
636532	SS-8
636533	SS-9
636534	SS-10
636535	SS-11
636536	SS-12
636537	SS-13
636538	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D. Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported

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The reports of the Associated Laboratories are confidential property of our clients and

Lab request 153720 cover, page I of 1

rder# 636528

Client: Allwest Remediation Inc

trix: SOLID

Client Sample ID: 4-14-0

Late Sampled: 07/11/2005

Fine Sampled: npled By:

Analyte Result DF DLR Units Date/Analyst

#### Perchlorate by Ion Chromatography

#### ( OB ICP CAM Metals Only (W/S/W)

1	Antimony	2.49	1	3.0	mg/K.g	07/18/05	KN
,	Arsenic	5.53	1	1.0	mg/Kg	07/18/05	KN
	Barium	75.7	1	1 0	mg/Kg	07/18/05	KN
į .	Beryllium	0.924	1	0.5	mg/Kg	07/18/05	KN
•	Cadmium	0.383	1	0.5	mg/Kg	07/18/05	KN
1	Chromium	17.9	1	1.0	mg/Kg	07/18/05	KN
•	Cobalt	5.95	1	0.5	mg/Kg	07/18/05	KN
-	Copper	5,36	1	1 0	mg/Kg	07/18/05	KN
1 -	Lead	14.0	1	0.5	mg/Kg	07/18/05	KN
-	Molybdenum	ND	1	1.0	mg/Kg	07/18/05	KN
;	Nickel	12.7	1	1.5	mg/Kg	07/18/05	KN
-	Selenium	ND	1	1.0	mg/Kg	07/18/05	KN
-	Silver	ND	1	0.5	mg/Kg	07/18/05	KN
,	Thallium	ND	1	1.0	mg/Kg	07/18/05	KN
_	Vanadium	34.2	1	0.5	mg/Kg	07/18/05	KN
7	Zine	52.2	1	5.0	mg/Kg	07/18/05	KN

74/1A Mercury in Solid/Wipe

R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Fac





Cider#

636529

Client: Allwest Remediation Inc

1 frix: SOLID

Client Sample ID: 4-15-0

Date Sampled: 07/11/2005

Time Sampled: Simpled By:

Analyte

Result DF DLR Units Date/Analyst

#### Perchlorate by Ion Chromatography

#### 6 OB ICP CAM Metals Only (W/S/W)

Antimony	2.50	1	3.0	mg/Kg	07/18/05	KN
Arsenic	4.53	1	1.0	mg/Kg	07/18/05	KN
Barium	71.4	1	1.0	mg/Kg	07/18/05	KN
Beryllium	0.844	1	0.5	mg/Kg	07/18/05	KN
Cadmium	0.293	1	0.5	mg/Kg	07/18/05	KN
Chromium	17.1	1	10	mg/Kg	07/18/05	KN
Cobalt	5.78	1	0.5	mg/Kg	07/18/05	KN
Copper	5.24	1	1.0	mg/Kg	07/18/05	KN
Lead	13.3	1	0.5	mg/Kg	07/18/05	KN
Molybdenum	J ND	1	1.0	mg/Kg	07/18/05	KN
Nickel	12.0	1	1.5	mg/Kg	07/18/05	KN
Selenium	ND	. 1	1.0	mg/Kg	07/18/05	ĶΝ
Silver	j ND)	1	0.5	mg/Kg	07/18/05	KN
Thallium	ND	1	1 0	mg/Kg	07/18/05	KN
Vanadium	32.0	1	0.5	mg/Kg	07/18/05	KN
Zinc	] 48.2]	1	5,0	mg/Kg	07/18/05	KN
<u></u>						

7471A Mercury in Solid/Wipe

I-R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Fac





636530

Client: Allwest Remediation Inc.

Crder# ttrix: SOLID

Client Sample ID: 4-16-0

\_ate Sampled: 07/11/2005

Time Sampled: mpled By:

**Analyte** 

Result

DF DLR

Units Date/Analyst

4 Perchlorate by Ion Chromatography

0B ICP CAM Metals Only (W/S/W)

	and the second s				_	
Antimony	2.72	1	3.0	mg/Kg	07/18/05	KN
Arsenic	4.97]	1	1.0	mg/Kg	07/18/05	KN
Barium	76.0	1	1 0	mg/Kg	07/18/05	KN
Beryllium	0.861	1	0.5	mg/Kg	07/18/05	KN
Cadmium	0.305	1	0.5	mg/Kg	07/18/05	KN
Chromium	18.6	1	1 0	mg/Kg	07/18/05	KN
Cobalt	6.12	1	0.5	mg/Kg	07/18/05	KN
Copper	5.27	1	1.0	mg/Kg	07/18/05	KN
Lead	14.4	1	0.5	mg/Kg	07/18/05	KN
Molybdenum	ND	1	1 0	mg/Kg	07/18/05	KN
Nickel	12.6	1	1.5	mg/Kg	07/18/05	KN
Selenium	ND	1	1.0	mg/K.g	07/18/05	KN
Silver	ND	1	0.5	mg/Kg	07/18/05	KN
Thallium	ND	1	1:0	mg/K.g	07/18/05	KN
Vanadium	34.1	1	0.5	mg/K.g	07/18/05	KN
Zinc	51.3	1	5.0	mg/Kg	07/18/05	KN

74/1A Mercury in Solid/Wipe

R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Fac





636531 Crder#

Client: Allwest Remediation Inc.

l trix:-SOLID

Client Sample ID: 4-21-0

Date Sampled: 07/11/2005

Time Sampled: mpled By:

Analyte

Result

DF

DLR

Units Date/Analyst

#### 4 Perchlorate by Ion Chromatography

#### ( 10B ICP CAM Metals Only (W/S/W)

Antimony Arsenic  Barium  Beryllium  Cadmium  Chromium  Chromium  Cobalt  Copper  Lead  Molybdenum  Nickel  Selenium  Silver	2.32   4.97   70.2   0.828   0.317	1 1 1	3.0 1.0 1.0 0.5	mg/Kg mg/Kg mg/Kg	07/18/05 07/18/05 07/18/05	KN KN
Barium  Beryllium  Cadmium  Chromium  Cobalt  Coppex  Lead  Molybdenum  Nickel  Selenium  Silver	70.2 0.828 0.317	1 1 1	1.0			·
Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver	0.828	1	_ <del></del>	mg/Kg	07/18/05	~~~
Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver	0.317	1	0.5		. 0.7.10700	KN
Chromium Cobalt Coppex Lead Molybdenum Nickel Selenium Silver	<del></del>		0,0	mg/Kg	07/18/05	KN
Cobalt Copper Lead Molybdenum Nickel Selenium Silver	17.21	1	0.5	mg/K.g	07/18/05	KN
Copper  Lead  Molybdenum  Nickel  Selenium  Silver	17.3	1	1.0	mg/Kg	07/18/05	KN
Lead  Molybdenum  Nickel  Selenium  Silver	5.83	1	0.5	mg/Kg	07/18/05	KN
Molybdenum  Nickel  Selenium  Silver	5.03	1	1.0	mg/Kg	07/18/05	ΚN
Nickel Selenium Silver	13.9	1	0.5	mg/Kg	07/18/05	KN
Selenium Silver	ND	1	1.0	mg/Kg	07/18/05	KN
Silver	11.9	1	1.5	mg/Kg	07/18/05	KN
	ND	1	1.0	mg/Kg	07/18/05	KN
	ND	1	0.5	mg/Kg	07/18/05	KN
Thallium	ND	1	1.0	mg/Kg	07/18/05	KN
Vanadium	22.21	1	0.5	mg/Kg	07/18/05	KN
Zinc	32.2	1	5.0	mg/Kg	07/18/05	KN

7471A Mercury in Solid/Wipe

1-1 R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Fac





C7der # 636532

Client: Allwest Remediation Inc.

N trix: SOLID

Client Sample ID: SS-8

Care Sampled: 07/11/2005

I: me Sampled: 5 npled By:

Analyte

Result DF DLR Units Date/Analyst

Perchlorate by Ion Chromatography

#### 5 OB ICP CAM Metals Only (W/S/W)

1	Antimony	[ 1:78]	1	3.0	mg/Kg	07/18/05	KN
` -	Arsenic	5.03	1	1.0	mg/Kg	07/18/05	KN
-	Barium	74.2	1	1.0	mg/Kg	07/18/05	KN
-	Beryllium	0.870	1	05	mg/Kg	07/18/05	KN
-	Cadmium	0.294]	1	0.5	mg/Kg	07/18/05	KN
}	Chromium	17.9	1	1.0	mg/Kg	07/18/05	KN
-	Cobalt	6.05	1	0,5	mg/Kg	07/18/05	KN
-	Copper	5.42	1	1.0	mg/Kg	07/18/05	KN
	Lead	143	1	0.5	mg/Kg	07/18/05	KN
-	Molybdenum	ND	1	1.0	mg/Kg	07/18/05	KN
-	Nickel	12.5	1	1.5	mg/Kg	07/18/05	KN
	Selenium	ND	1	1.0	mg/Kg	07/18/05	KN
_	Silver	NDJ	1	0.5	mg/Kg	07/18/05	KN
. –	Thallium	ND	1	1.0	mg/Kg	07/18/05	KN
_	Vanadium	32.4	. 1	0.5	mg/Kg	07/18/05	KN
-	Zinc	49.9[	1	5.0	mg/Kg	07/18/05	KN
_	<u>.                                    </u>						

14.1A Mercury in Solid/Wipe

D R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Fac





Arder#

636533

Client: Allwest Remediation Inc.

atrix: SOLID

Client Sample ID: SS-9

Date Sampled: 07/11/2005

mpled By:

Analyte

Result

DF DLR

Units

Date/Analyst

4 Perchlorate by Ion Chromatography

10B ICP CAM Metals Only (W/S/W)

Antimony				2.16	1	30	mg/Kg	07/18/05	KN
Arsenie				5.02	1	1.0	mg/Kg	07/18/05	KN
Barium		_		76.4	1	1.0	mg/Kg	07/18/05	KN
Beryllium	<del></del>		[	0.876	1	0.5	mg/Kg	07/18/05	KN
Cadmium				0.329	1	0.5	mg/Kg	07/18/05	KN
Chromium			1	18.5	1	10	mg/Kg	07/18/05	KN
Cobalt				6.25	1	0.5	mg/Kg	07/18/05	KN
Соррег				6.09	1	1.0	mg/Kg	07/18/05	KN
Lead				14.5	1	0.5	mg/Kg	07/18/05	KN
Molybdenum			1	ND	1	1.0	mg/Kg	07/18/05	KN
Nickel				13.1	1	1.5	mg/Kg	07/18/05	KN
Selenium				ND	1	1.0	mg/Kg	07/18/05	KN
Silver			1.	ND	1	0.5	mg/Kg	07/18/05	KN
Thallium			ĺ	ND	1	1.0	mg/Kg	07/18/05	KN
Vanadium				36.1	1	0.5	mg/Kg	07/18/05	KN
Zinc			1	54.7	1	5.0	mg/K.g	07/18/05	KN

7471A Mercury in Solid/Wipe

R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Fac





Client Sample ID: SS-10

Crder # 636534

Client: Allwest Remediation Inc.

trix: SOLID

Analyte

1 te Sampled: 07/11/2005

Time Sampled: inpled By:

Result DF DLR Units Date/Analyst

#### Perchlorate by Ion Chromatography

#### 6 (0B ICP CAM Metals Only (W/S/W)

2.15	1	3.0	mg/K.g	07/18/05	KN
5.05	1	1.0	mg/Kg	07/18/05	KN
65.6	1	1.0	mg/Kg	07/18/05	KN
0.798	1	0.5	mg/Kg	07/18/05	KN
0.285	1	0.5	mg/Kg	07/18/05	KN
16.3	1	1.0	mg/Kg	07/18/05	KN
5.57	1	0.5	mg/Kg	07/18/05	KN
4,63]	1	1.0	mg/Kg	07/18/05	KN
13.8	1	0.5	mg/Kg	07/18/05	KN
ND	1	1.0	mg/Kg	07/18/05	KN
11.6	1	1.5	mg/Kg	07/18/05	KN
ND	1	1.0	mg/Kg	07/18/05	KN
ND	1	0.5	mg/Kg	07/18/05	KN
ND	1	1.0	mg/Kg	07/18/05	KN
27.5	1	0.5	mg/Kg	07/18/05	KN
47.2]	1	5.0	mg/Kg	07/18/05	KN
	5.05   65.6   0.798   0.285   16.3   5.57   4.63   13.8   ND   11.6   ND   ND   ND   ND   27.5	5.05   1 65.6   1 0.798   1 0.285   1 16.3   1 5.57   1 4.63   1 13.8   1 ND   1 ND   1 ND   1 ND   1 ND   1 ND   1 ND   1 ND   1 ND   1	5.05   1	5.05	5.05

74 . 1A Mercury in Solid/Wipe

E 3 = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Fac





Crder # 636535

Client: Allwest Remediation Inc.

I trix: SOLID

Client Sample ID: SS-11

Date Sampled: 07/11/2005

Time Sampled: 8 mpled By:

Analyte Result DF DLR Units Date/Analyst

#### 3 4 Perchlorate by Ion Chromatography

#### ( 10B ICP CAM Metals Only (W/S/W)

Antimony	2.34	1	3.0	mg/Kg	07/18/05	KN
Arsenic	4.70	1	1.0	mg/Kg	07/18/05	KN
Barium	70.8	1	1.0	mg/Kg	07/18/05	KN
Beryllium	0.791	1	0.5	mg/Kg	07/18/05	KN
Cadmium	0.304]	1	0.5	mg/Kg	07/18/05	KN
Chromium	16.6	Ï	10	mg/Kg	07/18/05	KN
Cobalt	5.62	1	0.5	mg/Kg	07/18/05	KŅ
Copper	5.28	1	1.0	mg/Kg	07/18/05	KN
Lead	14.2]	1	0.5	mg/Kg	07/18/05	KN
Molybdenum	ND	1	1 0	mg/Kg	07/18/05	KN
Nickel	119	1	1.5	mg/Kg	07/18/05	KN
Selenium	ND	1	10	mg/Kg	07/18/05	KN
Silver	ND	1	0.5	mg/Kg	07/18/05	KN
Thallium	ND	1	1.0	mg/Kg	07/18/05	KN
Vanadium	30.8	1	0.5	mg/Kg	07/18/05	KN
Zinc [	48 0]	1	5.0	mg/Kg	07/18/05	KN

7471A Mercury in Solid/Wipe

I-R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Fac

**ASSOCIATED LABORATORIES** 



Order # 636536 trix: SOLID Client: Allwest Remediation Inc.

Client Sample ID: SS-12

te Sampled: 07/11/2005

Time Sampled: npled By:

Analyte Result DF DLR Units Date/Analyst

Perchlorate by Ion Chromatography

#### 0B ICP CAM Metals Only (W/S/W)

Antimony	1.74	1	3,0	mg/Kg	07/18/05	KN
Arsenic	4.95	1	1.0	mg/Kg	07/18/05	KN
Barium	70.9	1	1.0	mg/Kg	07/18/05	KN
Beryllium	0.773	1	0.5	mg/Kg	07/18/05	KN
Cadmium	0.292	1	0.5	mg/Kg	07/18/05	KN
Chromium	16.7	1	1,0	mg/Kg	07/18/05	KN
Cobalt	5.58	1	0.5	mg/Kg	07/18/05	KN
Copper	5.36	1	1.0	mg/Kg	07/18/05	KN
Lead	13.3	1	0.5	mg/Kg	07/18/05	KN
Molybdenum	ND	1	1.0	mg/Kg	07/18/05	KN
Nickel	12.0	1	1.5	mg/Kg	07/18/05	KN
Selenium	ND	1	1.0	mg/Kg	07/18/05	KN
Silver	ND	1	0.5	mg/Kg	07/18/05	KN
Thallium	ND	1	1.0	mg/Kg	07/18/05	KN
Vanadium	31.2	1	0.5	mg/Kg	07/18/05	KN
Zinc	47.7	1	5.0	mg/Kg	07/18/05	KN

. 1A Mercury in Solid/Wipe

3 = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Fac





Cder # 636537

Client: Allwest Remediation Inc.

M trix: SOLID

Client Sample ID: SS-13

Date Sampled: 07/11/2005

I' ne Sampled: S apled By:

Analyte

Result DF DLR Units Date/Analyst

#### 3 Perchlorate by Ion Chromatography

#### 6 0B ICP CAM Metals Only (W/S/W)

Antimony	2.16	1	3.0	mg/Kg	07/18/05	KN
Arsenic	4.79	1	1.0	mg/Kg	07/18/05	KN
Barium	71.4	1	1.0	mg/Kg	07/18/05	KN
Beryllium	0.770	1	0.5	mg/Kg	07/18/05	KN
Cadmium	0.331	1	0.5	mg/Kg	07/18/05	KN
Chromium	17.7	1	1.0	mg/Kg	07/18/05	KN
Cobalt	5.75	1	0.5	mg/Kg	07/18/05	KN
Copper	5.67	1	10	mg/Kg	07/18/05	KN
Lead [	13.4	1	0.5	mg/Kg	07/18/05	KN
Molybdenum	ND	1	1.0	mg/Kg	07/18/05	KN
Nickel	12.5	1	1.5	mg/Kg	07/18/05	KN
Selenium	ND	1	1.0	mg/Kg	07/18/05	KN
Silver	ND	1	0.5	mg/Kg	07/18/05	KN
Thallium	ND	1	1.0	mg/Kg	07/18/05	KN
Vanadium	32.3	1	0.5	mg/Kg	07/18/05	KN
Zinc	49.7	ſ	5.0	mg/Kg	07/18/05	KN
	<del></del>				<del></del>	

7471A Mercury in Solid/Wipe

D-R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Fac





636538 Crder# l trix: SOLID

Client: Allwest Remediation Inc.

Client Sample ID: Laboratory Method Blank

1 te Sampled:

Jime Sampled: ? npled By:

Analyte

Result DF DLR Units Date/Analyst

§ Perchlorate by Ion Chromatography

( 10B ICP CAM Metals Only (W/S/W)

7471A Mercury in Solid/Wipe

I R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Fac

ASSOCIATED LABORATORIES





# ASSOCIATED LABORATORIES 806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Allwest Remediation Inc.

(8349)

LAB REQUEST 152390

ATTN: Richard Scott

1201 N. Barsten Way

REPORTED

06/23/2005

Anaheim, CA 92806

RECEIVED

06/21/2005

SUBMITTER

Client

COMMENTS

Added Strontium to order #630028, 036 on 6/27/05

I his laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
630025	PD-1
630026	PD-2
630027	PD-3
630028	PD-4
630029	PD-5
630030	PD-6
630031	PD-9
630032	PD-10
630033	P-1
630034	P-2
630035	P-3
630036	P-4
630037	P-5
630038	P-6
630039	P-7

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED CABORATORIES by,

Edward S. Hehare, Ph D.

Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported

TESTING & CONSULTING

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Environmental

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FAX 714/538-1209

CLIENT Allwest Remediation Inc.

(8.349)

LAB REQUEST

152390

ATTN: Richard Scott

1201 N. Barsten Way

REPORTED

06/23/2005

Anaheim, CA 92806

RECEIVED

06/21/2005

SUBMITTER Client

COMMENTS Added Strontium to order #630028, 036 on 6/27/05

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
630040	P-8
630041	P-9
630042	P-10
630043	3-9-0
630044	3-10-0
630045	3-11-0
630046	3-12-0
630047	3-13-0
630048	Laboratory Method Blank

Thank you for the opportunity to be of service to your company Please feel free to call if there are any questions regarding this report or if we can be of further service.

SSOCIATED ABORATORIES by,

Edward S. Behare, Ph D

Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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rder #: 630025 Client Sample ID: PD-1 watrix: SOLID Sample Description: Plant Debri Date Sampled: 06/20/2005 DLR Units Date/Analyst Analyte Result 314 Perchlorate by Ion Chromatography Perchlorate 06/21/05 RC 51.6 8.0 mg/Kg rder #: Client Sample ID: PD-2 630026 wiatrix: SOLID Sample Description: Plant Debri Date Sampled: 06/20/2005 DLR Units Date/Analyst Analyte Result 314 Perchlorate by Ion Chromatography Perchlorate 48.3 8.0 mg/Kg 06/21/05 RC rder #: Client Sample ID: PD-3 630027 watrix: SOLID Sample Description: Plant Debri Date Sampled: 06/20/2005 DLR Units Date/Analyst Analyte Result 314 Perchlorate by Ion Chromatography RC 52.8 8.0 mg/Kg 06/21/05 Perchlorate

LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



rder #: 630028

latrix: SOLID

Date Sampled: 06/20/2005

Perchlorate

Client Sample ID: PD-4

Sample Description: Plant Debri

**Analyte** Result DLR Units Date/Analyst 14 Perchlorate by Ion Chromatography 06/21/05 8.0 RC Perchlorate 42.01 mg/Kg 6010B ICP Metals - Solid/Liquid/Wipe 06/29/05 50.0 KN 11.0 mg/Kg Strontium rder #: 630029 Client Sample ID: PD-5 Matrix: SOLID Sample Description: Plant Debri ate Sampled: 06/20/2005 DLR Date/Analyst Analyte Result Units 314 Perchlorate by Ion Chromatography 0.04 06/21/05 RC Perchlorate ND mg/Kg rder #: Client Sample ID: PD-6 630030 Matrix: SOLID Sample Description: Plant Debri **! ite Sampled:** 06/20/2005 DLR Units Date/Analyst Result Analyte 314 Perchlorate by Ion Chromatography

<sup>1</sup>LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



06/21/05

RC

8.40

8.0

mg/Kg

Client Sample ID: PD-9 rder#: 630031 ıvlatrix: SOLİD Sample Description: Plant Debri Date Sampled: 06/20/2005 DLR Units Date/Analyst Result **Analyte** 314 Perchlorate by Ion Chromatography 0.04 06/21/05 Perchlorate ND mg/Kg RC rder#: Client Sample ID: PD-10 630032 vlatrix: SOLID Sample Description: Plant Debri Date Sampled: 06/20/2005 DLR Units Date/Analyst Result Analyte 314 Perchlorate by Ion Chromatography Perchlorate ND0.04 mg/Kg 06/22/05 RC rder #: Client Sample ID: P-1 630033 Matrix: SOLID Sample Description: Plant Date Sampled: 06/20/2005 DLR **Units** Date/Analyst Analyte Result 314 Perchlorate by Ion Chromatography 06/21/05 RC Perchlorate 33.5 8.0 mg/Kg rder #: 630034 Client Sample ID: P-2 Latrix: SOLID Sample Description: Plant Date Sampled: 06/20/2005 Result DLR Units Date/Analyst Analyte 314 Perchlorate by Ion Chromatography 06/21/05 Perchlorate 43.9 8.0 mg/Kg LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

rder#: 630035 latrix: SOLID

Client Sample ID: P-3 Sample Description: Plant

Date Sampled: 06/20/2005

Analyte	Result	DLR	Units	Date/Analys
Perchlorate by Ion Chromatography				
Perchlorate	32.2	8.0	mg/Kg	06/21/05 RC
cder #: 630036 Client Sample ID: P-4 htrix: SOLID Sample Description: Plant te Sampled: 06/20/2005				
Analyte	Result	DLR	Units	Date/Analyst
Perchlorate by Ion Chromatography				
Perchlorate by Ion Chromatography  Perchlorate	57.7	8.0	mg/Kg	06/21/05 RC
4 Perchlorate by Ion Chromatography Perchlorate  10B ICP Metals - Solid/Liquid/Wipe	57.7	8.0	mg/Kg	06/21/05 RC
Perchlorate	57.7	50.0	mg/Kg	
Perchlorate  OB ICP Metals - Solid/Liquid/Wipe	· · · · · · · · · · · · · · · · · · ·			
Perchlorate  10B ICP Metals - Solid/Liquid/Wipe	· · · · · · · · · · · · · · · · · · ·			

LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



06/21/05 RC

314 Perchlorate by Ion Chromatography

Perchlorate

0.04

mg/Kg

0.24

rder#: Client Sample ID: P-6 630038 wlatrix: SOLID Sample Description: Plant Date Sampled: 06/20/2005 Date/Analyst DLR Units Analyte Result 314 Perchlorate by Ion Chromatography 0.04 06/21/05 RC Perchlorate 0.18 mg/Kg rder #: 630039 Client Sample ID: P-7 włatrix: SOLID Sample Description: Plant Date Sampled: 06/20/2005 Units Date/Analyst Analyte Result DLR 314 Perchlorate by Ion Chromatography Perchlorate 0.31 0.04 mg/Kg 06/22/05 RC rder#: Client Sample ID: P-8 630040 Latrix: SOLID Sample Description: Plant Date Sampled: 06/20/2005 Date/Analyst DLR Units Result Analyte 314 Perchlorate by Ion Chromatography 06/22/05 RC Perchlorate 0.26 0.04 mg/Kg rder #: Client Sample ID: P-9 630041 Latrix: SOLID Sample Description: Plant Date Sampled: 06/20/2005 Date/Analyst Result DLR Units Analyte 314 Perchlorate by Ion Chromatography 06/22/05 RC 0.081 0.04 mg/Kg Perchlorate LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Analytical Results Report

Lab Request 152390 results, page 5 of 8

SSOCIATED LABORATORIES

rder#: 630042

atrix: SOLID

Client Sample ID: P-10 Sample Description: Plant

Date Sampled: 06/20/2005

Analyte		Result	DLR	Units	Date/Analyst
Perchlorate by Ion Chromatography					
Perchlorate		0.05	0.04	mg/Kg	06/22/05 RC
der #: 630043 Client Sample ID: 3-trix: SOLID Sample Description: Solid Personal Sample Sample Sample 15:15					
Analyte		Result	DLR	Units	Date/Analyst
0 Nitrate as NO3 by Ion Chromatography	)		1		
Nitrate (as NO3)	- <del></del>	44.8	5.0	mg/Kg	06/21/05 RC
Perchlorate by Ion Chromatography  Perchlorate	L	ND	0.04	mg/Kg	06/22/05 RC
der #: 630044 Client Sample ID: 3-1		···			
rix: SOLID Sample Description: Soil e Sampled: 06/20/2005 e Sampled: 14:00	11				
e Sampled: 06/20/2005		Result	DLR	Units	Date/Analyst
e Sampled: 06/20/2005 e Sampled: 14:00		Result	DLR	Units	Date/Analyst
e Sampled: 06/20/2005 e Sampled: 14:00  Analyte		Result	<b>DLR</b> 5.0	Units mg/Kg	Date/Analyst  06/21/05 RC
e Sampled: 06/20/2005 e Sampled: 14:00  Analyte  0 Nitrate as NO3 by Ion Chromatography			· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>

LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



rder #: 630045 Client Sample ID: 3-11-0 Matrix: SOLID Sample Description: Soil Date Sampled: 06/20/2005 ime Sampled: 12:15 **Analyte** Result DLR Units Date/Analyst 300.0 Nitrate as NO3 by Ion Chromatography 06/21/05 RC Nitrate (as NO3) 47.11 mg/Kg 314 Perchlorate by Ion Chromatography Perchlorate ND 0.04 mg/Kg 06/22/05 RCrder #: Client Sample ID: 3-12-0 630046 Matrix: SOLID Sample Description: Soil ate Sampled: 06/20/2005  $\equiv$ me Sampled: 13:15 DLR Units Date/Analyst Result Analyte 300.0 Nitrate as NO3 by Ion Chromatography 06/21/05 Nitrate (as NO3) 42.8 5.0 mg/Kg 4 Perchlorate by Ion Chromatography ND0.04 mg/Kg 06/22/05 RC Perchlorate Order #: Client Sample ID: 3-13-0 630047 atrix: SOLID Sample Description: Soil ite Sampled: 06/20/2005 Time Sampled: 13:30 DLR Units Date/Analyst Result Analyte 0.0 Nitrate as NO3 by Ion Chromatography 06/22/05 RC 5.0 35.6 mg/Kg Nitrate (as NO3) 3.4 Perchlorate by Ion Chromatography 06/22/05 RC 0.04 mg/Kg NDI Perchlorate R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



rder#: 630048 atrix: SOLID

Strontium

Client Sample ID: Laboratory Method Blank

Analyte	Result	DLR	Units	Date/Analyst
<u> </u>				

rate as NO3 by Ion Chromatograph	<u>.                                     </u>					
Nitrate (as NO3)		ND	5.0.	mg/Kg	06/21/05	R(
hlorate by Ion Chromatography					<del></del>	

ND

5.00

mg/Kg

06/29/05 KN

LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



# ASSOCIATED LABORATORIES **QA REPORT FORM - METHOD 6010**

QC Sample:

151609-625835

H# 062805 SO8

Matrix:

SOLID

Prep. Date:

June 28, 2005

Analysis Date:

June 29, 2005

Lab ID#'s in Batch:

LR 151609, 152390

Reporting Units =

mg/Kg

#### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Sample	Spike	Matrix	Matrix	%Rec	%Rec	%
	Result	Added	Spike	Spike Dup	MS	MSD	RPD
Sr	68	920	1,060	1,000	108	101	6

\* = Outside QC limits, due to matrix Interference
If Sample Result > 4 times Spike Added, then "NC"

% REC I MITS = 75 - 125 RPD LIMITS = 20

#### LCS RECOVERY / METHOD BLANK

Test	LCS	LCS	LCS	QC Limit	MB	MB
	True Value	Result	%Rec	%REC	Limit	Result
Sr	1,000	1,060	106	80-120	0.01	ND



REQUESTOR:\_

## ASSOCIATED LABORATORIES

DATEO	F REQUE	ST.	.,		CLIENT	NAME:			
DAILO		7/05				Ju WE	1-C-		
- 170 11()	4/2	-110-	<u>-</u>				<u> </u>		
LAB #(s)		( ,~	a-00	`	ORDER	#(S):	/	/	_ \
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EDIT:	ADDI'	TIONAL A	NALYSIS	:	REGULA	AR TAT:		RUSH:	<del>]</del> /
				(					
				PEST/			TOC		-
MICRO	CHEM	GASC	ICP/AA	SVOA	VOA	BIO	RAD	PREP	OUT
			<u>                                     </u>		L	l			,
				<del></del>					
LR-#	1516	09-	OR#	835			FILE		
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LRI	1523	990	02#	028					· · · · · · · · · · · · · · · · · · ·
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•		-1		<u> </u>		<del></del>			
REQUEST	OR:	KW							

1201 NORTH BARSTEN WAY ANAHEIM, CA 92806 PHONE (714) 237-1201 Fax (714) 237-1202

05 8520-EI

Allwest Project Number

### **FACSIMILE COVER SHEET**

Company:		Contact:	Fax Number:
Associated	Laboratories	Danielle	(714) 771-9933
<u>.</u>			
Ps.			
From:	Justin Williams		Date: June 24, 2005
Subject:	Strontium		
		•	
	j		
	1		
Comments:	Danielle,		
Comments:	Danielle, Please run samples 2-1-0, 2-2- strontium. We will need these		he P-4, PD-4 extracts for
Comments:	Please run samples 2-1-0, 2-2 strontium. We will need these Please call me with any question.	ons,	
Comments:	Please run samples 2-1-0, 2-2 strontium. We will need these	rushed.	
Comments:	Please run samples 2-1-0, 2-2 strontium. We will need these Please call me with any question.	e rushed.  ons, $LR + 151609$ $(-2.683)$	5 6010 5
Comments:	Please run samples 2-1-0, 2-2 strontium. We will need these Please call me with any question. Thank you,	e rushed.  ons, $LR + 151609$ $(-2.683)$	5 6010 5
Comments:	Please run samples 2-1-0, 2-2 strontium. We will need these Please call me with any question. Thank you,	e rushed.  ons, $LR + 151609$ $(-2.683)$	5 6010 5
Comments:	Please run samples 2-1-0, 2-2-strontium. We will need these Please call me with any question.  Thank you,  Justin Williams	62683 62582	
Comments:	Please run samples 2-1-0, 2-2-strontium. We will need these Please call me with any question.  Thank you,  Justin Williams  LR#152396  630028	62683 62683 62683 62582	5 6010 5
Comments:	Please run samples 2-1-0, 2-2-strontium. We will need these Please call me with any question.  Thank you,  Justin Williams  LR#152396  630028	62683 62683 62683 62582	5 6010 5
Comments:	Please run samples 2-1-0, 2-2-strontium. We will need these Please call me with any question.  Thank you,  Justin Williams	62683 62683 62683 62582	5: 6010 St 65: 6010 Sr

ASSOCIATED LABORATORIES 806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Allwest Remediation Inc

(8349)

LAB REQUEST

151609

ATTN: Richard Scott

1201 N. Barsten Way

REPORTED

06/10/2005

Anaheim, CA 92806

RECEIVED

06/06/2005

PROJECT 05 8520-E1

SUBMITTER

Client

**COMMENTS** 

Added Strontium to order #625825, 835, 836 on 6/27/05.

\* Insufficient sample

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
625808	2-1-1
625809	2-1-2
625810	2-1-3
625811	2-2-1
625812	2-2-2
625813	2-2-3
625814	2-3-1
625815	2-3-2
625816	2-3-3
625817	2-4-1
625818	2-4-2

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service

ASSOCIATED LABORATORIES by,

Behare, Ph.D.

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING

Chemical Microbiological

Environmental

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ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Allwest Remediation Inc.

(8349)

LAB REQUEST 151609

ATTN: Richard Scott

1201 N. Barsten Way

REPORTED

06/10/2005

Anaheim, CA 92806

RECEIVED

06/06/2005

PROJECT 05 8520-E1

SUBMITTER Client

**COMMENTS** 

Added Strontium to order #625825, 835, 836 on 6/27/05

\* Insufficient sample.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
625819	2-4-3
625820	2-5-0
625821	2-5-1
625822	2-5-2
625823	2-6-0
625824	2-6-1
625825	2-6-2
625826	2-7-0
625827	2-7-1
625828	2-7-2
625829	2-8-0
625830	2-8-1

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.

Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported

TESTING & CONSULTING

Chemica

Microbiologica Environmental

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FAX 714/538-1209

CLIENT Allwest Remediation Inc.

(8349)

LAB REQUEST

151609

ATTN: Richard Scott

1201 N. Barsten Way

REPORTED

06/10/2005

Anaheim, CA 92806

RECEIVED

06/06/2005

PROJECT 05 8520-E1

SUBMITTER

Client

**COMMENTS** 

Added Strontium to order #625825, 835, 836 on 6/27/05.

\* Insufficient sample

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
625831	2-8-2
625832	Composite
625833	Laboratory Method Blank
626835	2-1-0
626836	2-2-0
626837	2-3-0
626838	2-4-0

I hank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph D.

Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported

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TESTING & CONSULTING Chemical Microbiological Environmental

atrix: SOLID te Sampled: 06/03/2005					
Analyte		Result	DLR	Units	Date/Analyst
4 Perchlorate by Ion Chroma	atography				
Perchlorate		0.148	0.04	mg/Kg	06/06/05 RC
rder #: 625809 atrix: SOLID ite Sampled: 06/03/2005	Client Sample ID: 2-1-2	· · · · · · · · · · · · · · · · · · ·			
Analyte		Result	DLR	Units	Date/Analyst
4 Perchlorate by Ion Chroma	tography		3.00()7,		
Perchlorate		0.044	0.04	mg/Kg	06/06/05 RC
der #: 625810 trix: SOLID te Sampled: 06/03/2005	Client Sample ID: 2-1-3	Docult	ni R	Unite	Date/Analyst
trix: SOLID te Sampled: 06/03/2005  Analyte		Result	DLR	Units	Date/Analyst
trix: SOLID te Sampled: 06/03/2005		Result	<b>DLR</b>	Units mg/Kg	Date/Analyst
trix: SOLID te Sampled: 06/03/2005  Analyte  Perchlorate by Ion Chromate	ography				
trix: SOLID te Sampled: 06/03/2005  Analyte  Perchlorate by Ion Chromate  Perchlorate  der #: 625811 trix: SOLID	ography		0.04		
Analyte  Perchlorate by Ion Chromate  Perchlorate  Perchlorate  der #: 625811  crix: SOLID e Sampled: 06/03/2005	Ography Client Sample ID: 2-2-1	ND	0.04	mg/Kg	06/07/05 RC

- SSOCIATED LABORATORIES Analytical Results Report
Lab Request 151609 results, page 1 of 9

Analyte	·		Result	DLR	Units	Date/Analyst
Perchlorate by Ion Chroma	tography					
Perchlorate			ND	0.04	mg/Kg	06/07/05 RC
der #: 625813 trix: SOLID e Sampled: 06/03/2005	Client Sam	ple ID: 2-2-3		<del> </del>		
Analyte	· · · · · · · · · · · · · · · · · · ·		Result	DLR	Units	Date/Analyst
Perchlorate by Ion Chromat	ography					
Perchlorate			ND	0.04	mg/Kg	06/06/05 RC
ler #: 625814 rix: SOLID Sampled: 06/03/2005	Client Sam	ple ID: 2-3-1		······	· · · · · · · · · · · · · · · · · · ·	
Analyte	· .		Result	DLR	Units	Date/Analyst
Perchlorate by Ion Chromato	graphy					
Perchlorate			ND	0.04	mg/Kg	06/06/05 RC
er #: 625815 ix: SOLID Sampled: 06/03/2005	Client Samp	le ID: 2-3-2				
Analyte			Result	DLR	Units	Date/Analyst
erchlorate by Ion Chromatog	graphy				<del></del>	
Perchlorate			ND	0.04	mg/Kg	06/06/05 RC
= Detection limit for reporting	g purposes, ND = 1	Not Detected below	w indicated detec	ction limit		·

Client Sample ID: 2-2-2

rder #:

625812

rder #: 625816 Client Sample II Vlatrix: SOLID Date Sampled: 06/03/2005	<b>):</b> 2-3-3		AND ALKA	.,,,,,,	
Analyte		Result	DLR	Units	Date/Analyst
14 Perchlorate by Ion Chromatography					
Perchlorate		ND	0.04	mg/Kg	06/06/05 RC
rder #: 625817 Client Sample III atrix: SOLID nte Sampled: 06/03/2005	2-4-1	- turis			
Analyte		Result	DLR	Units	Date/Analyst
4 Perchlorate by Ion Chromatography					
Perchlorate		ND	0.04	mg/Kg	06/06/05 RC
der #: 625818 Client Sample ID trix: SOLID te Sampled: 06/03/2005	: 2-4-2				
Analyte		Result	DLR	Units	Date/Analyst
4 Perchlorate by Ion Chromatography					
Perchlorate		ND	0.04	mg/Kg	06/07/05 RC
der #: 625819 Client Sample ID: trix: SOLID te Sampled: 06/03/2005	2-4-3				a and a second s
Analyte		Result	DLR	Units	Date/Analyst
Per chlorate by Ion Chromatography	<u> </u>	,			
Perchlorate		ND	0.04	mg/Kg	06/07/05 RC
LR = Detection limit for reporting purposes, ND = Not De	tected below	v indicated detec	ction limit		<b>57 €</b> -

SSOCIATED LABORATORIES Analytical Results Report
Lab Request 151609 results, page 3 of 9



Iatrix: SOLID Date Sampled: 06/03/2005 Units Date/Analyst Analyte Result DLR \_14 Perchlorate by Ion Chromatography 0.04 06/07/05 RC Perchlorate 0.052 mg/Kg rder #: 625821 Client Sample ID: 2-5-1 latrix: SOLID Date Sampled: 06/03/2005 Analyte Result DLR Units Date/Analyst 14 Perchlorate by Ion Chromatography 06/07/05 RC Perchlorate 0.2440.04 mg/Kg rder #: 625822 Client Sample ID: 2-5-2 atrix: SOLID Date Sampled: 06/03/2005 1 Units Date/Analyst Analyte Result DLR 4 Perchlorate by Ion Chromatography Perchlorate 0.060 0.04 mg/Kg 06/07/05 RC rder #: 625823 Client Sample ID: 2-6-0 atrix: SOLID Date Sampled: 06/03/2005 Result DLR Units Date/Analyst Analyte 4 Perchlorate by Ion Chromatography RC0.3460.08 mg/Kg 06/07/05 Perchlorate LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Analytical Results Report

Lab Request 151609 results, page 4 of 9

Order #:

625820

SSOCIATED LABORATORIES

Client Sample ID: 2-5-0

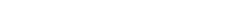
rder #: 625824 Client Sample ID: 2-6-1				
ate Sampled: 06/03/2005				
Analyte	Result	DLR	Units	Date/Analyst
4 Perchlorate by Ion Chromatography				
Perchlorate	0.082	0.04	mg/Kg	06/07/05 RC
rder #: 625825 Client Sample ID: 2-6-2 trix: SOLID te Sampled: 06/03/2005		<del></del>		
Analyte	Result	DLR	Units	Date/Analyst
Perchlorate by Ion Chromatography				
Perchlorate	99.5	20.0	mg/Kg	06/07/05 RC
OB ICP Metals - Solid/Liquid/Wipe				
Strontium	32.7	50.0	mg/Kg	06/29/05 KN
rix: SOLID e Sampled: 06/03/2005  Analyte	Result	DLR	Units	Date/Analyst
	Result			Dato, Mayor
Perchlorate Perchlorate	NDI	0.04	mg/Kg	06/07/05 RC
1 Croincauce	112]	0.01	1119/115	
	÷			
R = Detection limit for reporting purposes, ND = Not Detected belo	w indicated detec	ction limit		



atrix: SOLID ate Sampled: 06/03/2005				
Analyte	Result	DLR	Units	Date/Analyst
4 Perchlorate by Ion Chromatography			,	•
Perchlorate Perchlorate	ND	0.04	mg/Kg	06/07/05 RC
rder #: 625828 Client Sample ID: 2-7-2 atrix: SOLID te Sampled: 06/03/2005				
Analyte	Result	DLR	Units	Date/Analyst
4 Perchlorate by Ion Chromatography				
Perchlorate	ND	0.04	mg/Kg	06/07/05 RC
rder #: 625829 Client Sample ID: 2-8-0 atrix: SOLID te Sampled: 06/03/2005		· · · · · · · · · · · · · · · · · · ·		
Analyte	Result	DLR	Units	Date/Analyst
		1919 194		
Perchlorate by Ion Chromatography		21		
Perchlorate by Ion Chromatography Perchlorate	ND	0.04	mg/Kg	06/07/05 RC
Perchlorate by Ion Chromatography  Perchlorate  Client Sample ID: 2-8-1  trix: SOLID te Sampled: 06/03/2005	ND	0.04	mg/Kg	06/07/05 RC
Perchlorate  der #: 625830 Client Sample ID: 2-8-1 trix: SOLID	ND  Result	0.04 DLR	mg/Kg .	06/07/05 RC  Date/Analyst
Perchlorate  der #: 625830 Client Sample ID: 2-8-1  trix: SOLID te Sampled: 06/03/2005			***	

SSOCIATED LABORATORIES Analytical Results Report
Lab Request 151609 results, page 6 of 9

Analyte			Result	DLR	Units	Date/Ana	lysi
erchlorate by Ion Chrom	atography					•	
Perchlorate			ND	0.04	mg/Kg	06/07/05	RC
r#: 625832 x: SOLID ampled: 06/02/2005	Client Sample ID: Sample Description:	_	) / 2-3-0 / 2-4-0				
Analyte			Result	DLR	Units	Date/Ana	lyst
	ıromatography					•	
Nitrate as NO3 by Ion Cl	<u></u>						
Nitrate as NO3 by Ion Cl Nitrate (as NO3)			22.6	5.0	mg/Kg	06/07/05 I	RC
Nitrate (as NO3)			22.6	.5.0	mg/Kg	06/07/05 1	RC
Nitrate (as NO3)  rchlorate by Ion Chroma  Perchlorate  #: 625833		Laboratory	7.60]	2.0	mg/Kg		RC
Nitrate (as NO3)  rchlorate by Ion Chroma  Perchlorate  #: 625833  : SOLID	atography	Laboratory	7.60]	2.0	·		RC
Nitrate (as NO3)  rechlorate by Ion Chroma  Perchlorate  #: 625833  : SOLID  Analyte	Client Sample ID:	Laboratory	7.60] Method Blank	2.0	mg/Kg	06/07/05 I	RC
Nitrate (as NO3)  rchlorate by Ion Chroma  Perchlorate  #: 625833  : SOLID  Analyte	Client Sample ID:	Laboratory	7.60] Method Blank	2.0	mg/Kg	06/07/05 I Date/Anal	RC
Nitrate (as NO3)  rchlorate by Ion Chroma  Perchlorate  #: 625833 : SOLID  Analyte  itrate as NO3 by Ion Chroma	Client Sample ID:	Laboratory	7.60]  Method Blank  Result	2.0 DLR	mg/Kg Units	06/07/05 I Date/Anal	yst
Nitrate (as NO3)  rchlorate by Ion Chroma  Perchlorate  #: 625833  : SOLID  Analyte  itrate as NO3 by Ion Ch  Nitrate (as NO3)  chlorate by Ion Chroma	Client Sample ID:	Laboratory	7.60]  Method Blank  Result	2.0 DLR	mg/Kg Units	06/07/05 I Date/Anal	yst
Nitrate (as NO3)  rchlorate by Ion Chroma  Perchlorate  #: 625833  : SOLID  Analyte  itrate as NO3 by Ion Ch  Nitrate (as NO3)  chlorate by Ion Chroma  Perchlorate	Client Sample ID:	Laboratory	7.60]  Method Blank  Result	2.0 DLR 5.0	mg/Kg Units	06/07/05 I	yst
Nitrate (as NO3)  rchlorate by Ion Chroma  Perchlorate  #: 625833  : SOLID  Analyte  itrate as NO3 by Ion Ch  Nitrate (as NO3)  chlorate by Ion Chroma	Client Sample ID:	Laboratory	7.60]  Method Blank  Result	2.0 DLR 5.0	mg/Kg Units	06/07/05 I	yst





rder #: Client Sample ID: 2 1-0 626835

atrix: SOLID

Date Sampled: 06/02/2005

Analyte		Result	DLR	Units	Date/Ana	alyst ——–
Nitrate as NO3 by Ion Chromatography				•		
Nitrate (as NO3)		67.2	10.0	mg/Kg	06/09/05	RC
erchlorate by Ion Chromatography						
Perchlorate		4.08	1.0	mg/Kg	06/08/05	RC
ICP Metals - Solid/Liquid/Wipe		. •				
Strontium		68.0	50.0	mg/Kg	06/29/05	KN
r#: 626836 Client Sampl	le ID: 2-2-0					
x: SOLID ampled: 06/02/2005		Result	DLR	Units	Date/Ana	llyst
x: SOLID		Result	DLR	Units	Date/Ana	llyst
x: SOLID ampled: 06/02/2005  Analyte		<b>Result</b>	<b>DLR</b> 5.0	Units mg/Kg		l <b>lyst</b>
x: SOLID ampled: 06/02/2005  Analyte  Nitrate as NO3 by Ion Chromatography			<u> </u>			<u></u>
x: SOLID ampled: 06/02/2005  Analyte  Nitrate as NO3 by Ion Chromatography  Nitrate (as NO3)			<u> </u>		06/09/05 1	<u></u>
Analyte  Nitrate as NO3 by Ion Chromatography  Nitrate (as NO3)  rechlorate by Ion Chromatography		21.4	5.0	mg/Kg	06/09/05 1	ŔĊ

LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



Analyte	Result	DLR	Units	Date/Analys
			<u></u>	
Nitrate as NO3 by Ion Chromatography				
Nitrate (as NO3)	15.1	5.0	mg/Kg	06/09/05 RC
				· ·
erchlorate by Ion Chromatography				·
Perchlorate	0.87	0.2	mg/Kg	06/08/05 RC
	·		·	
		·	<del></del>	
x: SOLID		11 <del>11</del>		
x: SOLID				
x: SOLID	Result	DLR	Units	Date/Analyst
x: SOLID sampled: 06/02/2005	Result	DLR	Units	Date/Analyst
x: SOLID sampled: 06/02/2005  Analyte	Result	DLR	Units	Date/Analyst
x: SOLID sampled: 06/02/2005  Analyte	Result	<b>DLR</b> 5.0	Units mg/Kg	Date/Analyst
x: SOLID ampled: 06/02/2005  Analyte  Nitrate as NO3 by Ion Chromatography  Nitrate (as NO3)				
x: SOLID Sampled: 06/02/2005  Analyte  Nitrate as NO3 by Ion Chromatography				

LR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit





1201 NORTH BARSTEN WAY ANAHEIM, CA 92806 PHONE (714) 237-1201 Fax (714) 237-1202

05 8520-EI

Allwest Project Number

### **FACSIMILE COVER SHEET**

Company:			Contact:	Fax Number:
Associated	Laboratories		Danielle	(714) 771-9933
	2			
			···	
From:	Justin Williams	<del></del>		Date: June 24, 2005
. 10(11.	Dratht Anniques			Build 2-1, 2000
Subject:	Strontium	<del></del>	•	
Comments:	Danielle,			
· · · · · · · · · · · · · · · · · · ·	Please run samples 2-1-0, strontium. We will need to	2-2-0, and 2 hase rushed.	2-6-2 as well as ti	ne P-4, PD-4 extracts for
	Please call me with any qu			
. N	Thank you,	(LR	# 151609	
	Justin Williams		62683	5:6010 St
			62683	6
			1-25825	5: 6010 Sr
	(TR#15230	10)	Q 650	
			SV	•
	630028	6:6010	) Sr	
1	Total Number of Pages:	1	Including Cove	er Page
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	Original to Follow by Mail:	Yes	No_X	

If you do not receive all the pages, please call (714) 237-1201

# ASSOCIATED LABORATORIES **QA REPORT FORM - METHOD 6010**

QC Sample:

151609-625835

H# 062805 SO8

Matrix:

SOLID

Prep Date:

June 28, 2005

Analysis Date:

June 29, 2005

Lab ID#'s in Batch:

LR 151609, 152390

Reporting Units =

mg/Kg

### MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Sample	Spike	Matrix	Matrix	%Rec	%Rec	%
	Result	Added	Spike	Spike Dup	MS	MSD	RPD
St	68	920	1,060	1,000	108	101	6

\* = Outside QC limits, due to matrix Interference
If Sample Result > 4 times Spike Added, then "NC"

% REC LIMITS = 75 - 125 RPD LIMITS = 20

#### LCS RECOVERY / METHOD BLANK

Test	LCS	LCS	LCS	QC Limit	MB	MB
	True Value	Result	%Rec	%REC	Limit	Result
Sr	1,000	1,060	106	80-120	0.01	ND

## ASSOCIATED LABORATORIES

	DATE O	F REQUE	ST:			CLIENT				
		6/2	7/05	>		4	Hi WO	55)		
	LAB #(s)	_				ORDEŔ	#(s):			
l		1609	<u> </u>	239C			·			
	EDIT:	ADDI	TIONAL A	NALYSIS		REGULA	AR TAT:_	/	RUSH:_\	<del>()</del>
		Γ	<u> </u>	Γ	<del></del>		<del></del>	$\overline{}$		
	MICRO	СНЕМ	GASC	ICP/AA	PEST/ SVOA	VOA	BIO	TOC/ RAD	PREP	OUŢ
	MICKO	CHEN	UABC	ICITAA	I BYOR	TOA	DIO	1 1212	1 1123	1 002
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ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Allwest Remediation Inc.

(8349)

LAB REQUEST 153926

ATTN: Richard Scott

.

1201 N. Barsten Way

REPORTED

07/22/2005

Anaheim, CA 92806

RECEIVED

07/20/2005

PROJECT Sterling Site

SUBMITTER Client

**COMMENTS** 

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No. 637534 637535 637536 Client Sample Identification

SEEP-1

SW-1-4

Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph D. Vice President

NOTE. Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING Chemical Microhiological Environmental

ii comeni	CO . C . Y TEN C	TIPE 1				
#: 637534 : WATER	Client Sample ID: Si	EEP-1				
ampled: 07/19/2005						
ampled: 13:20						
Analyte		<u> </u>	Result	DLR	Units	Date/Analyst
chlorate by Ion Chrom	atography					
Perchlorate			ND	4_	ug/L	07/21/05 RC
#: 637535	Client Sample ID: SV	07.7.4	<u></u>			<u> </u>
#: 637535 WATER	Cheft Sample 1D. S.	14 - 1 <del>- 4</del>				
mpled: 07/19/2005						
mpled: 14:00						
Analyte			Result	DLR	Units	Date/Analyst
<del></del>		<del></del>		<del></del> _		
chlorate by Ion Chroma	atography					
Perchlorate		1	ND	4	ug/L	07/21/05 RC
#: 637536	Client Sample ID: La	horotory	Mathod Plank		<del></del>	
4Z~	Cheffe Sample 1D: La	boratory i	VICTIOU DIANK			
						•
WATER						
			•			
			Result	DLR	Units	Date/Analyst
WATER			Result	DLR	Units	Date/Analyst
WATER	tography	· · · · · · · · · · · · · · · · · · ·	Result	DLR	Units	Date/Analyst
WATER  Analyte	<u>tography</u>	<u> </u>	Result		Units	Date/Analyst  07/21/05 RC

R = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



ABORATORIES LAB REQUEST SUMMAR Client ID: 8349 Lab Request: 153926 Allwest Remediation Inc. Date Received: 07/20/2005 Attn: Richard Scott Project Mgr.: ESB 1201 N. Barsten Way Anaheim, CA 92806 REVIEW Phone:714-237-1201 Fax: 714-237-1202 Submitter: Client FINAL RPT Project: Sterling Site - 637534 Matrix: WATER Log Date: 07/20/2005@13:24 Due Date: 07/22/2005 Client Smpl. ID: SEEP-1 Sampled: 07/19/2005@13:20 Status: Logged Method Profile Analyte Service G 314 Perchlorate by Ion Chromatography .Perchlorate 637535 Matrix: WATER Log Date: 07/20/2005@13:24 Due Date; 07/22/2005 Client Smpl. ID: SW-1-4 Sampled: 07/19/2005@14:00 Status: Logged Method Test Name Analyte Service Gr 314 Perchlorate by Ion Chromatography Perchlorate CHEM 637536 Matrix: WATER Log Date: 07/20/2005@13:24 Due Date: 07/22/2005 Client Smpl. ID: Laboratory Method Blank Status: Logged : Aethod Profile Tost Name Analyte Service Gn 314 Perchlorate by Ion Chromatography Perchlorate CHEM :

gged By: KRISTENEL

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100-1

Lab Request 152006 field

114-538-1209

FROM-Associated Laboratories

18-55-500<u>2-55-16</u>

rder#:	637534  <b>Cli</b>	ent Smpl ID: SEEP-1				Matrix: WAT	ĖR.	
Letter 17-	03/35-1			·				
Test #	1	Analyte	An Date	Init	DF	Result	DLR .	Units
314	Perchlorate	3	7/21	RC	1	NO.	4	ng/L
			1				-	
omments:	<u></u>		<del></del>		<del></del>	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	*	· [ 11.1
					<del></del>			
rder#:	637535 <b>Cli</b> e	ent Smpl ID: SW-1-4			1	Matrix: WAII	≅R	
Test #		Analyte	An Date	Init.	DF	Result	DLR	Unit
14	Perchlorate		7/21		. /	NO	14	ng/L
omments:								
//////////////////////////////////////								3 h
rder#:	637536 <b>Ch</b> e	ent Smpl ID: Laboratory Me	thod Blank		, in	Matrix: WAT	ER	
ļ			в. в			-	TY D	Unit
:Test#		Analyte	An. Date	Init	:DF	Result	DLR	1 1 1
14	Perchlorate					NO	4 .	ug/L
omments:								

DLR = Detection limit for reporting purposes. DF = Dilution factor An Date = Date of analysis. Init = Analyst initials

A	SCOOK LINDRA	JRI_
	806 M. Batavia • Orange, CA. 0	10980

806 N. Batavia • Orange, CA 92868 (714) 771-6900 • Fax: (714) 538-1209

CHAIN OF CUSTODY RECORD

CLIENT AUWE	est Rem			<u>.</u>				153	26
ADDRESS 170	PROJECT MANAGER 72.5 Cold					Lab Use Only: Samples Intact Yes No County Seals Intact Yes No Sample Ambient Cooled Frozen			
ANAR	ANAheror, CA			714-2	37-1	101		County	Seals Intact Yes No No
PROJECT NAME 57	TERLING SITE	SAMPLERS	(lignet	ye)	<u>, , , , , , , , , , , , , , , , , , , </u>	<u>,                                    </u>		Sample Same D Regular	Ambient Cooled Frozen  Ambient Cooled Frozen  Day 24 Hr.  TESTS  REQUIRED  314.0 / Low Destrong  314.0 / Low Destrong
SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	S/ WATER	MPLE TY AIR	PE SOLID	NO OF CNTNRS	SUSP. CONTAM.	TESTS REQUIRED
SEEP-1	SEEP-EAST CREEK AMEA 8	7/19/05	1:20	X			/	Cloy	314.0/LOW DETRENO
SW-1-4	SUNFACELUARI ATEA 4	7/19/05	2:00	×_		<u> </u>	/	-Cloy	314.0/ Low DETECTION
						<del> </del>	<u> </u>		
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			ļ						
			<u> </u>	<del> </del>		<u> </u>	ļ	-	
			<u> </u>						
					ļ		1	<u> </u>	
						<u> </u>		<u> </u>	
Ball I	10								
Re Aquistied by:		d by: (Signature	MIN	1/6		Date/Tin	2:50	nereby indicated	authorize the performance of the above diwork,
Relinquished by:  Special Instruction	(Signal)	ed by Laboratory ire) Ju y	for analy	sis:	Monto	Date/Tin	18, [ 74 / 18]		
								DISTRIE	BUTION: White with report. Yellow to AL.